

STEREO TAPE DECK

$\mathtt{MODEL}\,GX\text{-}370\,D$

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SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS

RACK SYSTEM	4 track 2-channel stereo/monaural system		
REEL CAPACITY	Up to 7" reel		
TAPE SPEED	7-1/2 and 3-3/4 ips ±0.5%		
YOW AND FLUTTER	Less than 0.07% (*0.1%) RMS at 7-1/2 ips		
YOW AND I EO I IZA	Less than 0.1% (*0.15%) RMS at 3-3/4 ips		
REQUENCY RESPONSE	30 to 26,000 Hz (*30 to 24,000 Hz) ±3 dB at 7-1/2 ips (AKAI S.R.T. Tape)		
REQUERCE TELEFORM	30 to 24,000 Hz (*30 to 22,000 Hz) ±3 dB at 7-1/2 ips (Regular Tape)		
•	30 to 22,000 Hz (*30 to 19,000 Hz) ±3 dB at 3-3/4 ips (AKAI S.R.T. Tape)		
	30 to 19,000 Hz (*30 to 18,000 Hz) ±3 dB at 3-3/4 ips (Regular Tape)		
SIGNAL TO NOISE RATIO	Better than 50 dB (*48 dB)		
DISTORTION	Less than 1.5% (*2%) at 7-1/2 ips 1,000 Hz "0" VU recording		
51515161251	Less than 3% at 3-3/4 ips 1,000 Hz "0" VU recording		
CROSS TALK	Better than 70 dB (Monaural)		
	Better than 45 dB (Stereo)		
ERASE RATIO	Better than 70 dB		
BIAS FREQUENCY	103 kHz ±5 kHz		
BIAS LEAK	Less than -20 VU		
HIGH FREQUENCY DEVIATION	Within 3 dB, using a 8,000 Hz 3-3/4 ips recorded tape at 7-1/2 ips		
(between left and right channel)			
INPUTS Mic input	0.7 mV Impedance: 10 kΩ		
Line input	70 mV Impedance: 150 kΩ		
Din input	7 mV (low) and 70 mV (high)		
OUTPUTS Line output	1.228V (4 ±1.5 dB) Impedance: 100Ω, using a 250 Hz "0" VU recorded tape		
Din output	0.4V		
RECORDING CAPACITY	60 min. stereo recording, using a 1,200 ft. tape at 7-1/2 ips		
FAST FORWARD & REWIND TIME	68/83 sec., using a 1,200 ft. tape at 60/50 Hz		
MOTORS Capstan Motor	2-speed servo control outer rotor motor		
	Type: SCM2-24		
	Revolutions: 520 r.p.m. at 7-1/2 ips		
	260 r.p.m. at 3-3/4 ips		
Reel Motor	Two 6-pole eddy current outer rotor motors		
	Type: 24X0-II		
	Revolutions: 930 r.p.m. at 50 Hz		
	1120 r.p.m. at 60 Hz		
HEADS			
Combination Recording & Erase Head	Type: RE4-1		
	Gap: $4\mu \pm 15\%$, 0.2x2 mm		
	Impedance: 1,800 Ω at 100 kHz		
	$210\Omega \pm 15\%$ at 100 kHz		
Playback Head	Type: P4-200		
	Gap: $1.75 \mu \pm 15\%$		
	Impedance: 3±1 kΩ at 1 kHz		
TRANSISTORS	22SA564(R) 42SC454(C) 82SC458LG(B)(C) 162SC711(D)(E)		
	42SC871(F) 172SC945(Q)(R)(S) 62SC968(3) 22SC971(2)(3)(red)		
	12SC1013 22SD234(Y)		
	3TSC9000-1(B)(C)		
DIODES	271N34A 1710D1		
DIODES	310D4 210DC-1(black)		
	110DC-1(red)		
10	2LD-3141		
IC THE MISTORS	11N359A 1RD9A		
THERMISTORS	1TH201		
VARISTOR	100 to 240V AC, 50/60 Hz		
POWER SUPPLY	100 to 240 v AC, 50/60 HZ		
POWER CONSUMPTION	More than 50 MΩ		
INSULATION RESISTANCE	1,000V AC for more than 1 min. duration		
INSULATION DURABILITY	445 (W) × 503 (H) × 252 (D) mm (18.2 × 20.5 × 10.3")		
DIMENSIONS	25.5 kg (56 lbs.)		
WEIGHT			

NOTE: Specifications subject to change without notice.

II. MEASURING METHOD

1. TAPE SPEED DEVIATION

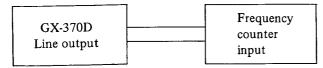


Fig. 1

As shown in Fig. 1, connect a Frequency Counter to the Line Output of Model GX-370D. Playback a 1,000 Hz pre-recorded test tape. Take a Frequency Counter reading at the beginning, middle, and end of tape winding during playback. The maximum value of these respective readings will represent tape speed deviation.

2. WOW AND FLUTTER

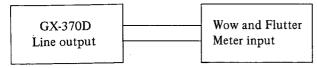


Fig. 2

Method A

As shown in Fig. 2, connect the Line Output of Model GX-370D to the Input of a Wow and Flutter Meter. Playback a 3,000 Hz pre-recorded test tape and take a Wow and Flutter Meter reading at the beginning, middle, and end of tape winding. The maximum value of these respective readings will represent the Wow and Flutter.

Method B

Supply a 3,000 Hz sine wave signal from an Audio Frequency Oscillator and make a recording on a blank tape at the beginning, middle, and end of tape winding. Rewind and playback the resultant signal. Measure Wow and Flutter with a Wow and Flutter Meter. (The Wow and Flutter value of Method B will be close to twice that of Method A.)

3. FREQUENCY RESPONSE

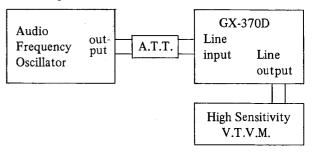


Fig. 3

For measuring Frequency Response, connect instruments as shown in Fig. 3 and proceed as follows:

- 1) Supply a 1,000 Hz sine wave signal to the Line Input of Model GX-370D from an Audio Frequency Oscillator through an Attenuator.
- 2) Set recorder to recording mode and turn recording level control volume and line output level control volume to maximum. Adjust attenuator to obtain a +4 dB V.T.V.M. reading.
- 3) Under conditions described in 2) above, readjust attenuator so that the Line Output is -16 dB, and record 30 to 24,000 Hz spot frequencies.
- 4) Rewind tape and playback from the beginning. Take V.T.V.M. spot frequency readings and plot values on a graph.

NOTE: When measuring Frequency Response, new tape should be used.

4. SIGNAL TO NOISE RATIO

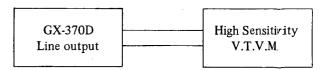


Fig. 4

As shown in Fig. 4, connect a High Sensitivity V.T.V.M. to the Line output of Model GX370D. Playback a 250 Hz "0" VU pre-recorded test tape and measure the output. Then remove the tape and measure the noise level under the same condition. Convert each of the measured values into decibels.

5. TOTAL HARMONIC DISTORTION

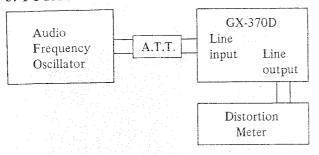


Fig. 5

Connect the measuring instruments as shown in Fig. 5 and record a 1,000 Hz sine wave signal at "0" VU. Playback the resultant signal and measure the overall distortion factor. Measure the noise level of the tape recorder without the tape. Connect the Audio Frequency Oscillator directly to the distortion meter for measurement of the distortion factor of the oscillator. The required distortion factor can be obtained from the results of the above measurement by the following formula:

$$\mathbf{d}_0 = \mathbf{d} - \mathbf{d}_1 - \mathbf{d}_2$$

where, do - Required distortion factor

d - Overall distortion factor

d₁ - Noise level

d₂ - Distortion factor of the oscillator

NOTE: When measuring the distortion factor, new tape should be used.

6. CROSS TALK (Cross talk between the tracks)

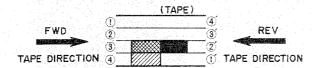


Fig. 6

As shown in Fig. 6, first record a 1,000 Hz sine wave signal on Track No. 3 at +3 VU level. Next, record under a non-input condition. Then, playback the tape on Tracks No. 3 and 1 (reversed condition of tape) through the B.P.F. (band pass filter sensitivity... 1:1) and obtain a ratio between the two from the following formula:

$$C = 20 \log \frac{E_0}{E_2 - E_1} (dB)$$

where, C - Desired cross talk ratio (dB)

E₀ - 1,000 Hz signal output level

 $E_2 - 1,000$ Hz cross talk level

E₁ − Non-input signal recorded level



Fig. 7

7. ERASE RATIO

As shown in Fig. 4, connect a High Sensitivity V.T.V.M. to the Line Output of Model GX-370D. Playback a virgin tape and take a V.T.V.M. reading of the output level. Next, record a 1,000 Hz sine wave signal at +3 dB, then playback this recorded signal and take a V.T.V.M. reading of the output level. Next, using this pre-recorded tape, record under a non-input condition and take a reading of the noise output level of the erased signal and obtain a ratio between the two from the following formula:

$$E_r = 20 \log \frac{E_0}{E_2 - E_1} (dB)$$

where, E_r - Desired erase ratio (dR)

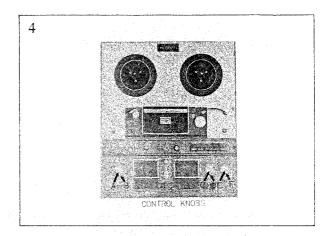
E₀ = 1,000 Hz signal output level

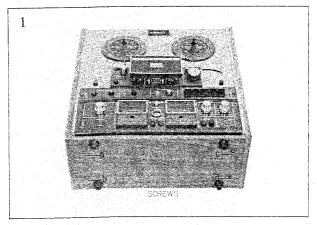
E2 - Non-input signal recorded level

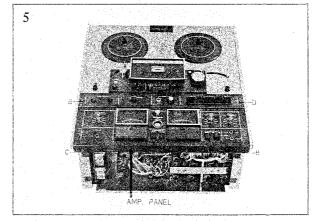
E1 - Virgin tape noise output level

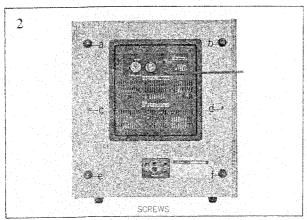
III. DISMANTLING OF UNIT

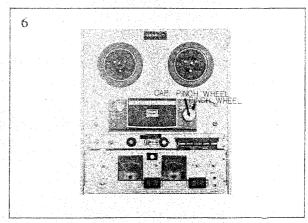
In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

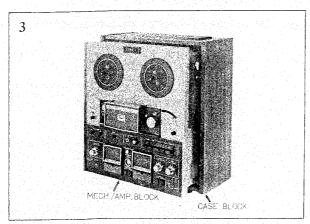


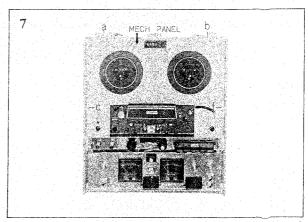


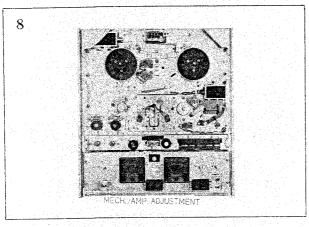


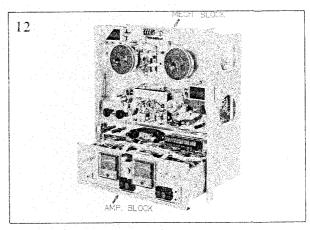


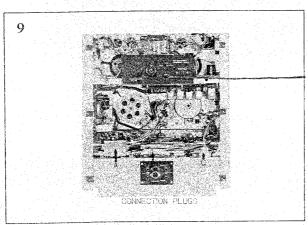


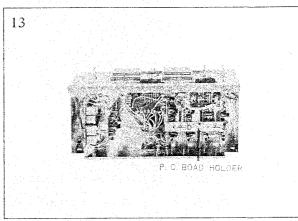


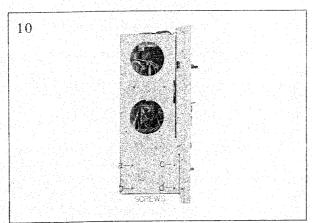


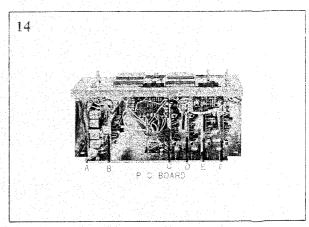


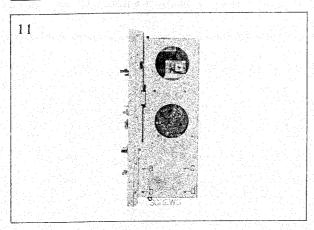


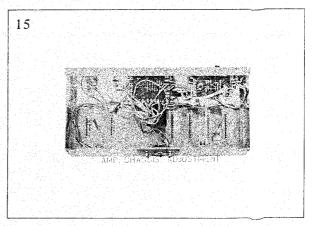




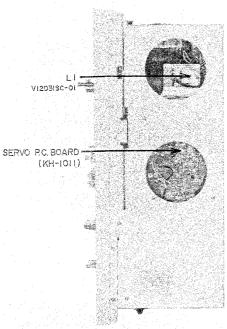








IV. MECHANISM ADJUSTMENTS



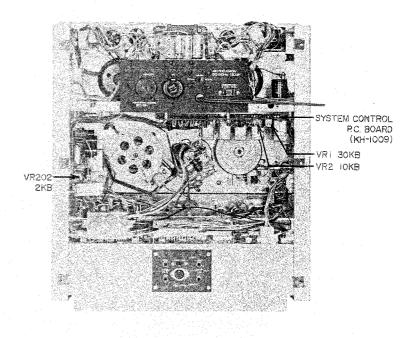


Fig. 8

Fig. 9

1. TAPE SPEED ADJUSTMENT (SERVO MOTOR CIRCUIT ADJUSTMENT)

- 1) Connect a Frequency Counter to the Line Output.
- 2) Set the Tape Speed Selector to 3-3/4 ips and playback a 1,000 Hz pre-recorded tape.
- 3) Adjust the core of Coil L1 (V12031SC-01) shown in Fig. 8 to obtain a Frequency Counter indication of 500 Hz ±1%.
- 4) When the 3-3/4 ips tape speed adjustment is completed, set the Tape Speed Selector to 7-1/2 ips and adjust Servo P.C. Board (KH-1011) semi-fixed resistor VR-202 (2k B) shown in Fig. 9 to obtain a Frequency Counter indication of 1,000 Hz +1/-0.5%.

NOTE: When making tape speed adjustment, it is necessary to make the low speed (3-3/4 ips) adjustment first.

2. DIRECT FUNCTION TIME CONSTANT ADJUSTMENT (See Fig. 9)

- 1) FWD ↔ REV Time Constant
 - Adjust System Control P.C. Board (KH-1009) semi-fixed resistor VR-1 (30k B) so that the time constant to and from FWD and REV mode is about 3 seconds.
- 2) F-FWD or RWD to FWD or REV Time Constant Adjust System Control P.C. Board (KH-1009) semi-fixed resistor VR-2 (10k B) so that the time constant from F-FWD or RWD to FWD or REV mode is about 1.5 seconds.

NOTE: In making the adjustments outlined in Items (1) and (2) above, when the machine is switched from the various modes to FWD or REV, it is important that proper capstan motor revolutions be attained by the time the pinch wheel contacts the capstan.

Fig. 10

3. BRAKE TENSION ADJUSTMENT

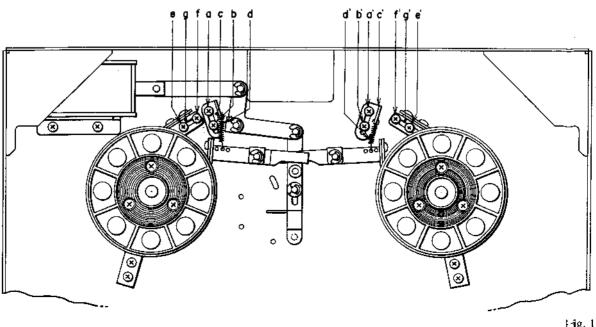
Use a 60 mm diameter tape wound on a 5" reel and measure the brake tension with a tension gauge. (See Fig. 10) Ideal tape tension is 350 grams.

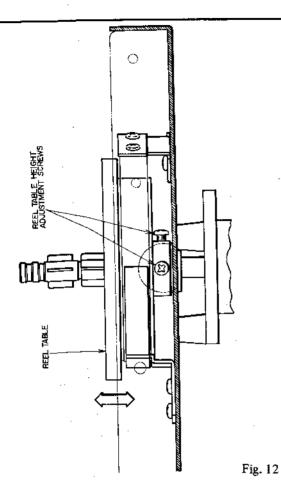
Brake tension adjustment can be made as follows:

- 1) Adjust position of suspended springs (d) (d').
- 2) Loosen screws, (a) (b) as well as (a') (b') and adjust the vertical (upper/lower) position of spring suspension metal (c) (c').
- 3) Loosen screws (e) (f) as well as (e') (f') and adjust the horizontal (left/right) position of brake band suspension metal (g) (g').

Adjust as described above until proper brake tension is attained. (Refer to Fig. 11)

NOTE: In making brake tension adjustment, when the machine is set to other than stop mode, confirm that the brake band definitely does not touch the cloth tape on the brake drum.





4. REEL HEIGHT ADJUSTMENT

Loosen the reel table height adjustment screws shown in Fig. 12 and adjust by moving the reel table in the direction of arrow and positioning so that the tape winds in the center of the reel.

5. PINCH WHEEL PRESSURE MEASUREMENT AND ADJUSTMENT

Use a tension gauge and measure the pinch wheel pressure as shown in Fig. 13. Read the value on the tension gauge as soon as the pinch wheel separates from the tape and tape travel stops. Ideal pinch wheel pressure is 1.5 kg. Pinch wheel pressure can be increased or decreased by adjusting screws (a) (b) shown in Fig. 13.

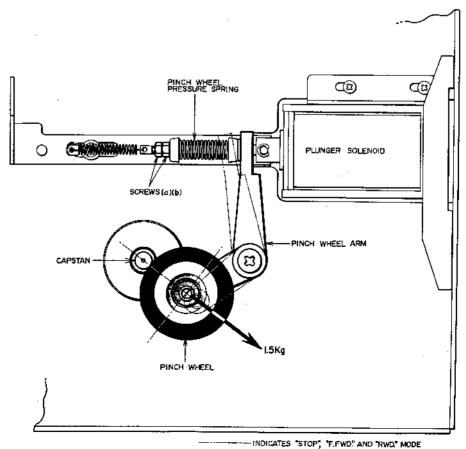


Fig. 13

V. HEAD ADJUSTMENTS

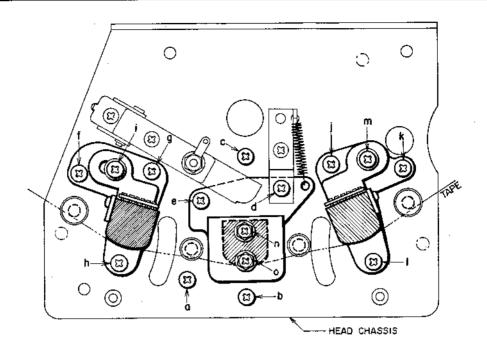


Fig. 14

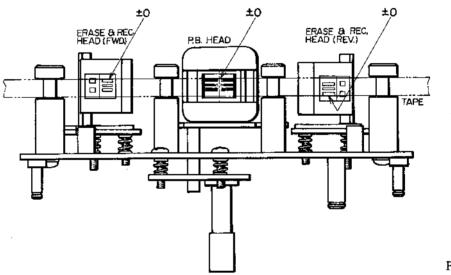


Fig. 15

1, HEAD HEIGHT ADJUSTMENT

(See Figs. 14 & 15)

- 1) Playback Head
 - a) For FWD playback mode head height adjustment, during FWD playback, turn head height control screw (d) to left and right until the upper edge of the tape as it passes the head is aligned with the upper edge of channel 1 head
 - b) For REV playback mode head height adjustment, during REV playback, turn head height control screw (e) to left and right until the lower edge of the tape as it passes the head is aligned with the lower edge of channel 1 head core.

- 2) Recording and Erase Heads
 - a) For FWD recording and erase head height adjustment, at FWD playback mole, adjust head height control screws (f) (g) and (h) by turning to left and right until the upper edge of the tape as it passes the head is algreed with the upper edge of channel 1 recording head core.
 - b) For REV recording and erase heal height adjustment, at REV playback more, adjust head height control screws (j) (k) at (l) by turning to left and right until the lower edge of the tape is aligned with the lower edge of channel I recording head core.
- 3) When making the various head height adustments, confirm that the tape and head core surhce is at a right angle with the head chassis during to e travel.

2. HEAD AZIMUTH ALIGNMENT ADJUSTMENT (See Figs. 14 & 15)

- 1) Playback Head
 - a) Connect a High Sensitivity V.T.V.M. to the line output and playback a test tape (Ampex Alignment Tape, 8,000 Hz at 3-3/4 ips) at 7-1/2 ips.
 - b) At FWD playback mode, turn adjustment screws (a) and (b) to left and right until the line output level of both channels is maximum.
 - c) When Item (b) adjustment is completed, loosen screws (n) and (o) and move the head gap side of the playback head to the left and right. When the tension increases on the supply reel side and the line output level of both channels do not fluctuate, fix screws (n) and (o) to maintain this condition.
 - d) At REV playback mode, make the same adjustment as outlined above to attain maximum line output of both channels.

2) Recording and Erase Heads

- a) Connect an Audio Frequency Oscillator to the line input and connect a High Sensitivity V.T.V.M. to the line output and load a blank tape.
- b) Set the Monitor Switch to TAPE position and record a 16,000 Hz signal at -10 dB recording level.
- c) At FWD recording mode, adjust Azimuth Alignment screw (f) so that the line output level of both channels is maximum and does not fluctuate.
- d) After completing Item (c) adjustment, loosen screw (i) and move the head gap side of the recording head to left and right. When the tension increases on the supply reel side and the line output level of both channels do not fluctuate, fix screw (i) to maintain this condition.
- e) At REV recording mode, make the same adjustment as outlined above by adjusting screws (k) and (m) to attain maximum line output of both channels without fluctuation.
- 3. To obtain the best results make adjustments outlined in Paragraphs 1 and 2 above two or three times. Also new blank tape should be used.

VI. AMPLIFIER ADJUSTMENTS

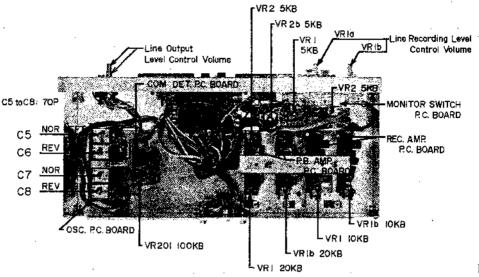


Fig. 16

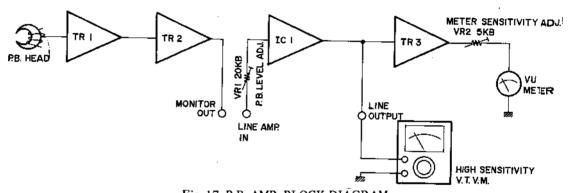


Fig. 17 P.B. AMP. BLOCK DIÄGRAM

1. PLAYBACK LEVEL ADJUSTMENT (See Fig. 16)

- 1) Connect a High Sensitivity V.T.V.M. to the line output.
- 2) Set Tape Speed Selector to 7-1/2 ips.
- Depress both LEFT and RIGHT Track Selector Switches.
- Set Monitor Switch to TAPE position and Line Output Level Controls to maximum.
- 5) Playback a 250 Hz, 7-1/2 ips pre-recorded tape.
- 6) With P.B. Amp. P.C. Board (KH-5014) semi-fixed resistors VR-1 and VR-1b (20k B), set the line output level of both channels to 4±1.5 dB.

2. VU METER SENSITIVITY ADJUSTMENT (See Fig. 16)

Adjust P.B. Amp. P.C. Board (KH-5014) semi-fixed resistors VR-2 and VR-2b (5k B) to obtain a VU meter indication of "0" VU on both chantels.

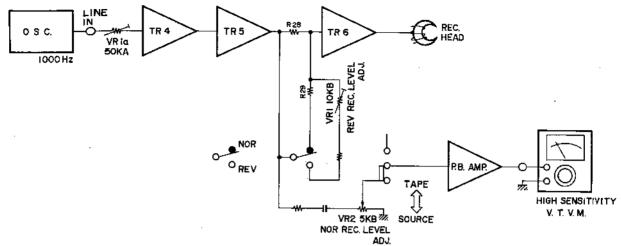
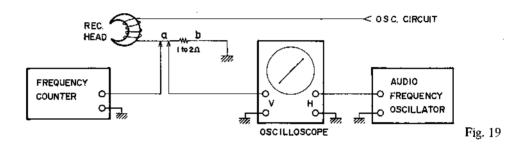


Fig. 18 REC. AMP. BLOCK DIAGRAM



3. RECORDING LEVEL ADJUSTMENT (See Fig. 16)

- Connect an Audio Frequency Oscillator to the line input and connect a High Sensitivity V.T.V.M. to the line output.
- 2) Set Tape Speed Selector to 7-1/2 ips.
- 3) Depress both LEFT and RIGHT Track Selector Switches.
- Load an AKAI 100L (Fuji S-100) blank tape. Set the Monitor Switch to TAPE position and the Line Output Level Controls to maximum.
- 5) Set recorder to FWD recording mode and supply a 1,000 Hz sine wave signal to the line input from the Audio Frequency Oscillator. Adjust line recording level volume controls VR-1a and VR-1b (20k B) to obtain a line output level of 4 dB (0 VU) on both channels.
- 6) Set Monitor Switch to SOURCE position and adjust Monitor Switch P.C. Board (KH-5012) semi-fixed resistors VR-1 and VR-2 (5k B) to obtain a 4 dB line output level on both channels.
- When the FWD recording level adjustment is completed, set the recorder to REV recording mode and set the Monitor Switch to TAPE position.
- 8) Adjust Rec. Amp P.C. Board (KH-5013) semi-fixed resistors VR-1 and VR-1b (10k B) to obtain a line output level of 4 dB on both channels.

4. RÉCORDING BIAS FREQUENCY MEASURING METHOD AND ADJUSTMENT

Method I

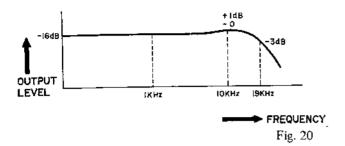
- 1) Install a 1 to 2Ω resistor in series with the recording head and connect these terminals (a)(b) to the vertical input of an oscilloscope. (See Fig. 19)
- Supply a sine wave signal to the horizontal input of the Oscilloscope from an Audio Frequency Oscillator. Set recorder to the REC mode.
- Vary the frequency of the Audio Frequency Oscillator until the oscilloscope waveform displays a circular or linear pattern.
- 4) If the audio frequency oscillator indication is 103 ±5 kHz, the recording bias frequency is correct.

Method II

- Connect a Frequency Counter to points (i) and (b) as shown in Fig. 19. Set recorder to the REC mode, and take a frequency counter reading at this time.
- 2) If the Frequency Counter indication is 103 ± 5 kHz, the recording bias frequency is correct.

Adjustment

The recording bias frequency can be adjusted by changing the value of OSC, circuit condenser C-4 (4500P/500).



5. RECORDING BIAS VOLTAGE ADJUST-MENT (Frequency Response Adjustment)

- 1) Refer to section regarding Frequency Response Measuring Method (Fig. 3 of this manual)
- 2) Adjust OSC. P.C. Board semi-fixed capacitors C-5 to C-8 (70P) so that a 10 kHz signal output level is within +1/-0 dB in relation to 1,000 Hz. (See Figs. 16 & 17)
- 3) The bias voltage after the frequency response adjustment has been made is about 5V AC.

NOTE: The frequency response will vary depending upon the tape being used.

6. ERASE VOLTAGE

There is no way to adjust the erase voltage, but correct value is about 23V AC.

7. COMPUTE-O-MATIC RECORDING LEVEL SENSITIVITY ADJUSTMENT

- Connect an Audio Frequency Oscillator to the left microphone input and connect a High Sensitivity V.T.V.M. to the left line output.
- 2) Supply a 1,000 Hz sine wave from the audio frequency oscillator.
- Set the Monitor Switch to SOURCE position and depress both the LEFT and RIGHT Track Selector Switches.
- Adjust COM-DET (Compute-O-Matic Detector)
 P.C. Board (RD-A514) semi-fixed resistor VR-201
 (100k B) to obtain a 4 dB V.T.V.M. indication when the Compute-O-Matic Button is depressed.

VII. TRANSPORT MECHANISM

1. TRANSISTOR, RELAY, AND PLUNGER SOLENOID OPERATION CHART

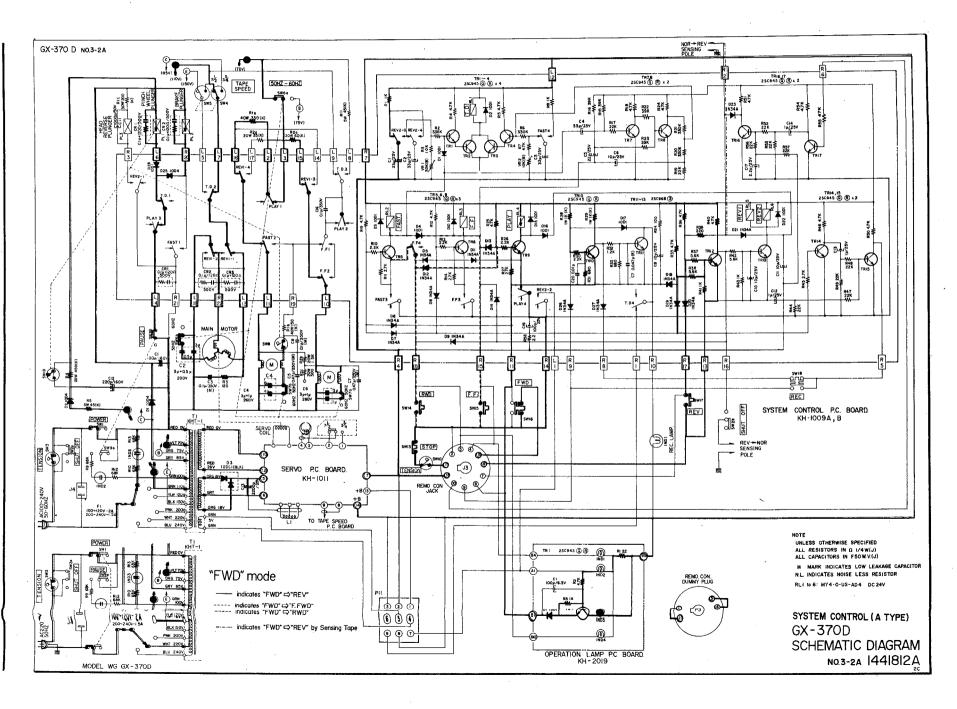
(Refer to Schematic Diagram 1 through 6)

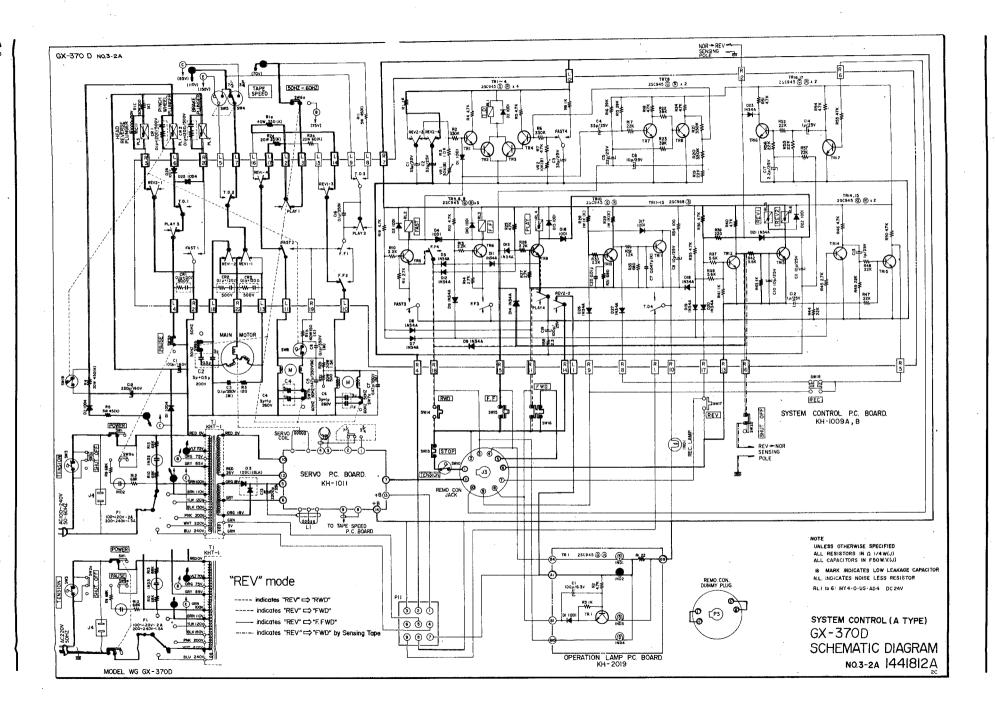
	FUNCTION		REV	STOP	FWD	F,FWD	FWD REC	REV REC
	TRI							
r F	TR2							
	TR3							
	TR4							
ļ	TR5	0				0		
	TR6					0 '		
2	TR7	0	0	0	0	0	0	0
OR	TR8	0	0	0.	0	0	0	0
TSIS	TR9		0		0		0	0
TRANSISTORS	TR10	0	0	. 0	0	0		
	TR11						0	0
	TR12	0		0	0	0	0	0
	TR13		0					0
	TR14	0	0	0	0	0	0_	0
	TR15						Δ .	Δ
•	TR16							
	TR17							
	T.D RL1							
	FAST RL2	0				0		
YYS	F.F RL3		· .			0		
RELAYS	PLAY RL4		0		0		0	0
~	REV 1 RL5		0					0
	REV 2 RL6		0				, <u>-</u>	0
S	PINCH WHEEL PL1	·	0		0		0	0
HER OID	BRAKE PL2	0	0		0	0	0	0
	HEAD REV PL3		0					0
PLUNGER SOLENOIDS					<u></u>			

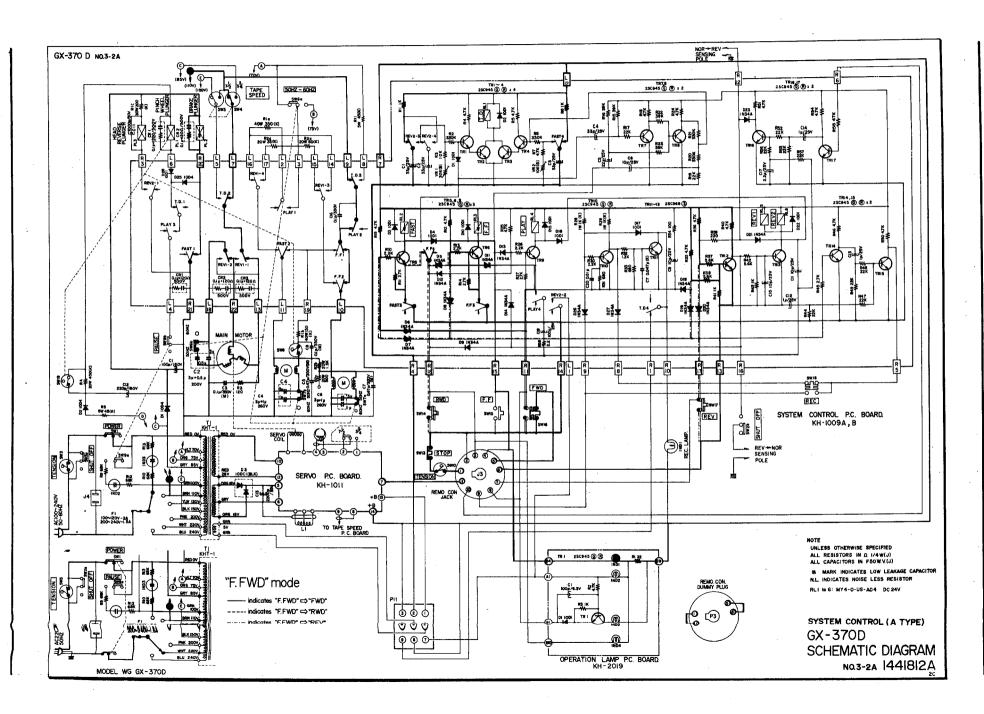
O mark indicates "engaged"

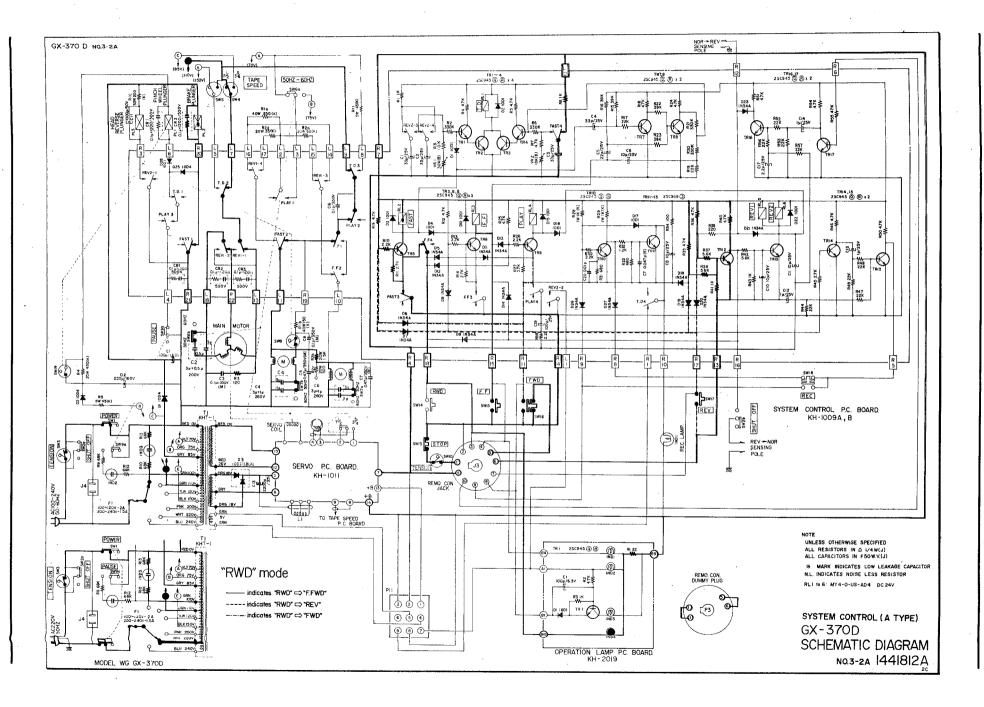
Chart 1

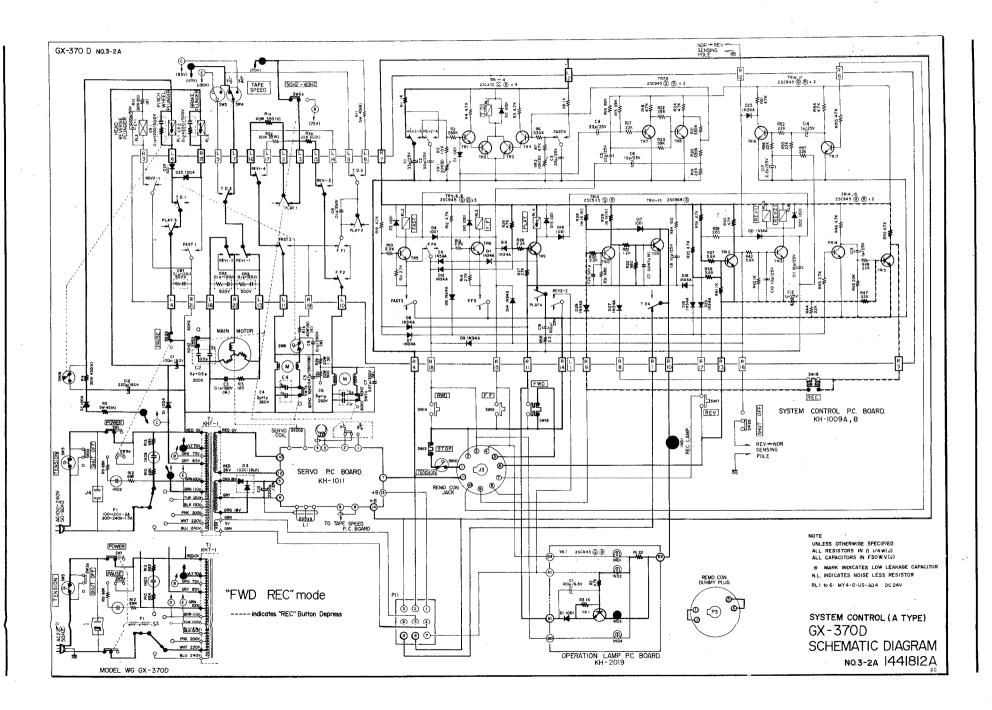
 $[\]Delta$ mark indicates "momentarily engaged" when the REC, FWD or REV button is depressed

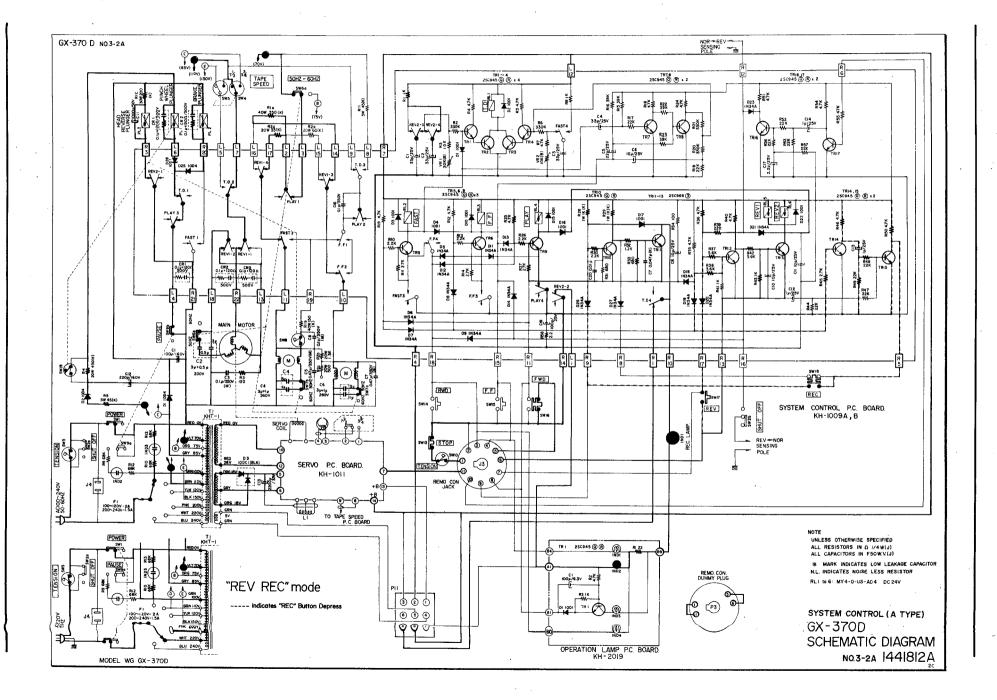










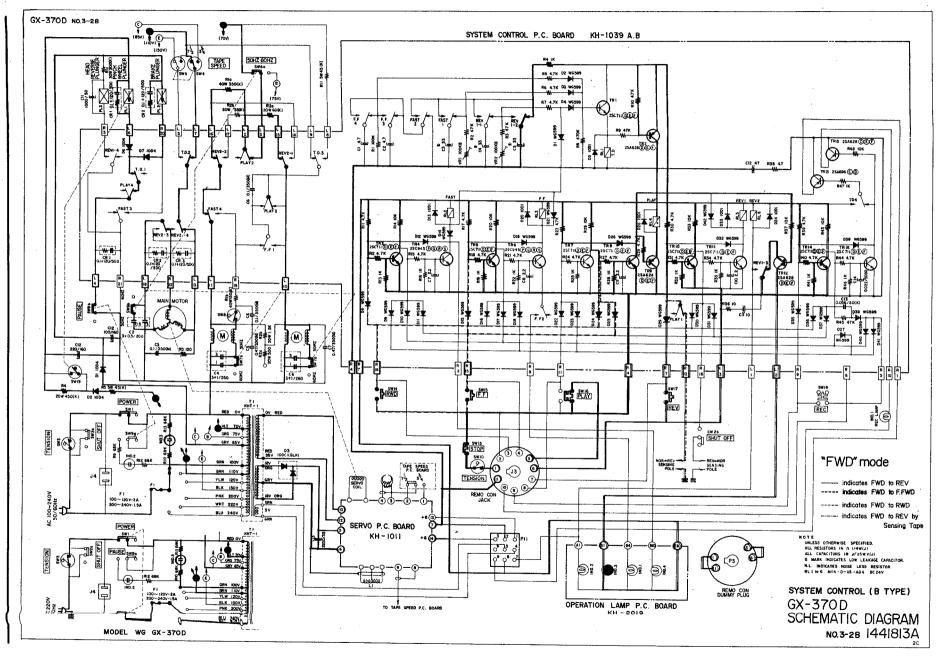


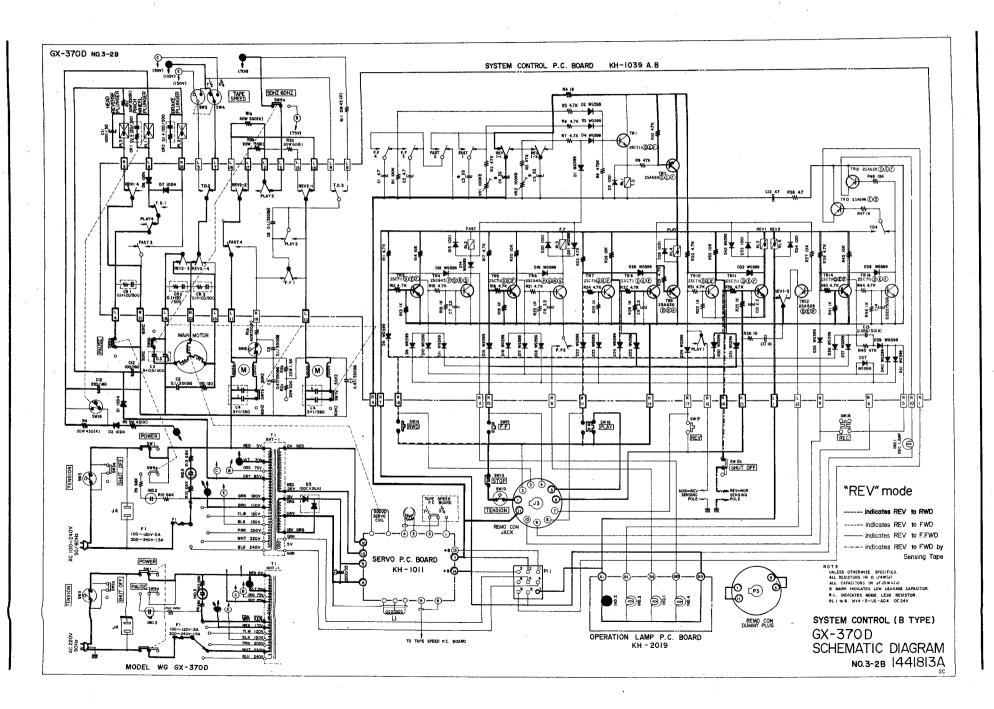
(Refer to Schematic Diagram 7 through 12)

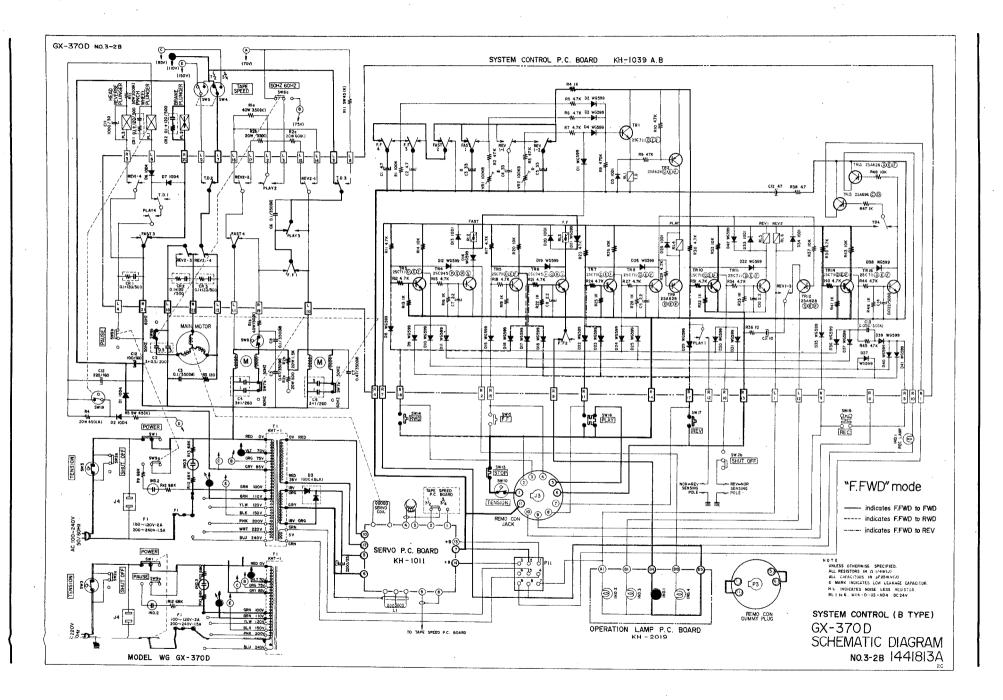
	FUNCTION	RWD	REV	STOP	FWD	F.FWD	FWD REC	REV REC
	TRÍ							
	TR2		0		0		0	0
	TR3		0	0	0	0	0_	0
	TR4	0						
	TR5	0	0	0	0		0	0
RS	TR6					0		
TRANSISTORS	TR7	0		. 0		0		
NSIS	TR8		0		0		0	0
[KA]	TR9		0		0		0	0
	TR10	0		0	0	0	0	
	TR11		0					0
	TR12				0		0	
	TR13						.0	0
ļ	TR14	0	0	0	0	0		
	TR15						0	0
	TR16				-		0	0
	T.D RL1					ļ		
	FAST RL2	0				0 "		
AYS	F.F RL3					0		ļ
RELAYS	PLAY RL4		0		0		0	0
~	REV1 RL5		0					0
	REV2 RL6		0	,				0
S	PINCH WHEEL PL1		0		0	-	0	0
OID	BRAKE PL2	0	0		0	0	0	0
SEN	HEAD REV PL3		0					0
PLUNGER SOLENOIDS	·							<u></u>

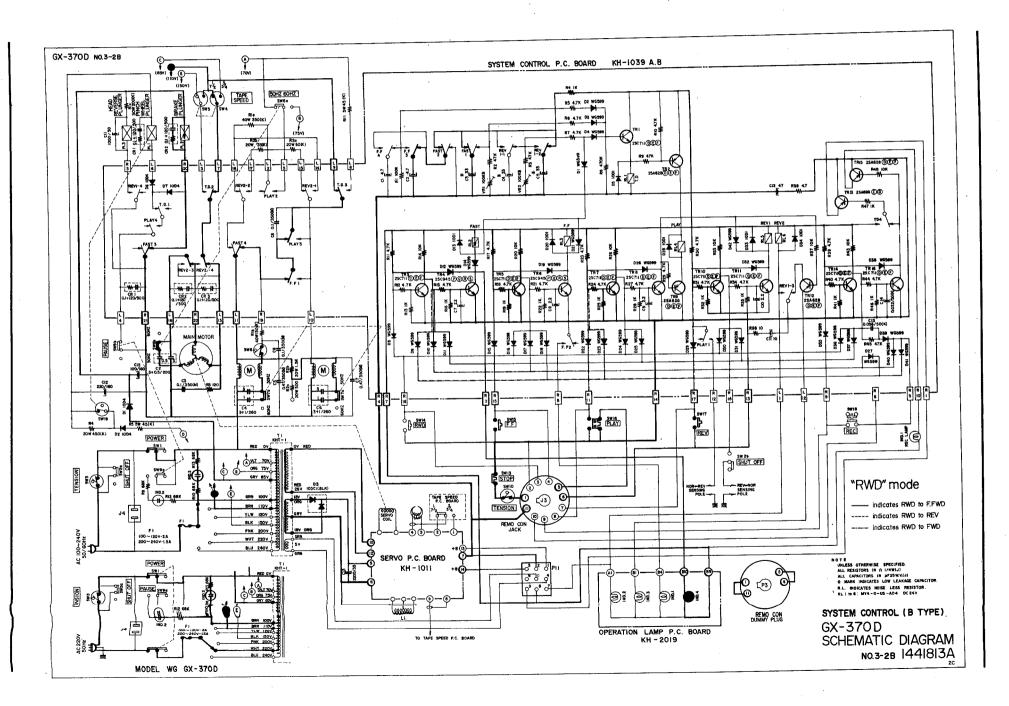
O mark indicates "engaged"

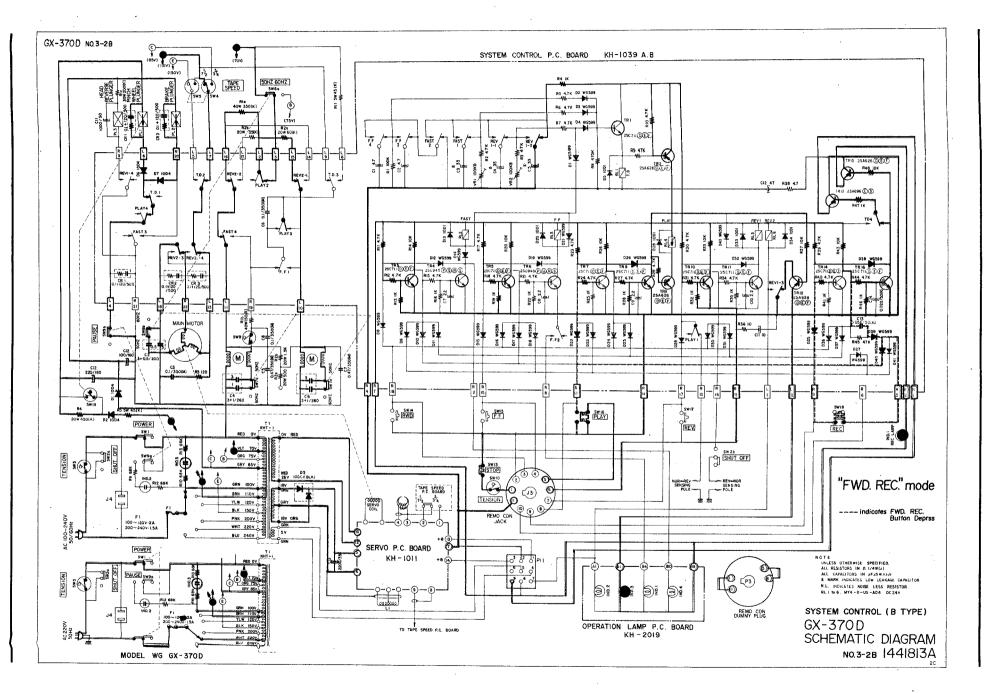
Chart 2

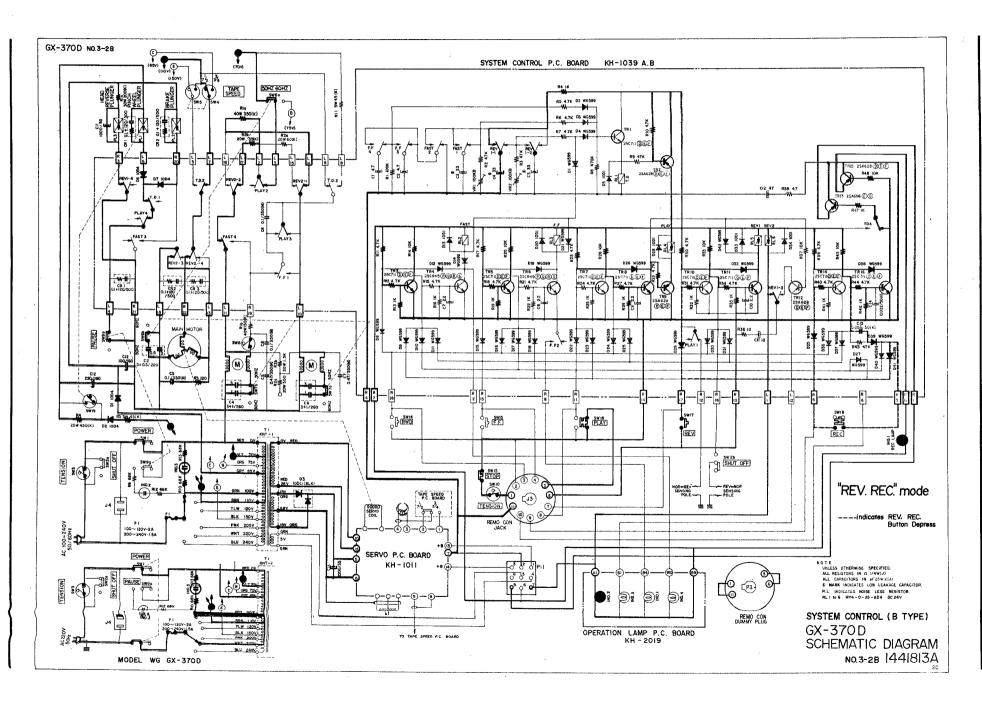












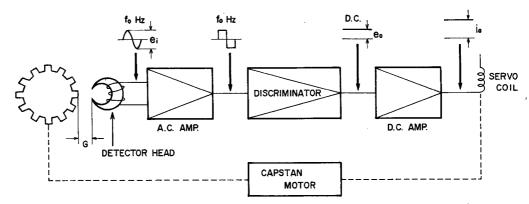
2. VOLTAGE SUPPLY TO TORQUE MOTOR AND TENSION AT VARIOUS MODES

TORQUE MOTOR MODE	Left Side	Right Side
FWD	29V (35V) 50g	55V (62V) 170g
REV	61V (67V) 210g	29V (35V) 50g
F.FWD	10V (10V) 15g	118V (118V) 600g
RWD	118V (118V) 600g	10V (10V) 15g

() indicates Voltage at 60 Hz.

Chart 3

VIII. SERVO MOTOR OPERATING PRINCIPLES



G (Gap): Adjust to obtain a detector head terminal voltage of 3 ± 0.5 mV at 7-1/2 ips.

Fig. 21

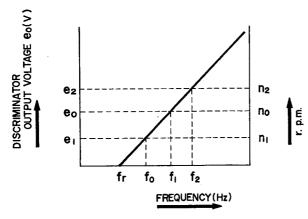


Fig. 22

- 1. The detector head core is comprised of a permanent magnet, and the gear installed on the motor, by means of the capstan motor revolutions, changes the magnetic flux of the detector head core. Accordingly, the detector head coil works in the same way and generates AC Voltage (becomes the detector signal described below). When this detector signal voltage (ei) becomes detector signal frequency (fo), this adjusts the capstan motor revolutions proportionately. (See Figs. 21 & 22)
- 2. When the detector signal voltage generated from the detector head is about 3 mV (at 7-1/2 ips), because the level is low, the perpendicular (up and down) waveform is amplified by the AC Amplifier until the waveform is clipped. (See Fig. 21)

- 3. Discriminator Coil L-1 (V12031SC-01) and C-210 (0.051/50) at 7-1/2 ips (and C-211 (0.27/100) at 3-3/4 ips) constitute the resonance circuit, and this resonance frequency becomes f_r. Because the detector signal frequency generated at the detector coil differs according to capstan motor revolutions, the capacity of the discriminator resonance condenser changes, and the resonance frequency changes at the different tape speeds of 7-1/2 and 3-3/4 ips.
- 4. When the discriminator input frequency and the resonance frequency f_r are simultaneous, the DC signal to be supplied to the next stage DC Amplifier is not generated. Consequently, when the capstan motor rotates at normal speed, a higher than resonance frequency f_o is established.
- 5. As shown in Chart 4, when electric current is not flowing to the capstan motor servo coil, the capstan motor revolutions are far faster than normal revolutions. Consequently, in order to maintain normal revolutions, an electro-magnetic field is tenerated at the servo coil by means of collector current flowing to TR-209 (2SD234), and this serves as an electro-magnetic brake. This electro-magnetic brake and the load torque balances the capstan motor torque and normal revolutions are maintained.

TAPE SPEED	Capstan motor supply voltage	Capstan motor supply voltage at FWD or REV starting time	Voltage and frequency generated at the detector coil	Controlled capstan motor speed	Uncontroll ed capstan motor spe d
7-1/2 ips	110V	150V	$3 \text{ mV} \pm 0.5 \text{ mV} / 1040 \text{ Hz}$	520 r.p.m.	1420₁. ʒp .m.
3-3/4 ips	85V	110 V	$1.5 \text{ mV} \pm 0.25 \text{ mV} / 520 \text{ Hz}$	260 r.p.m.	1380 _{г.} p.m.

Chart 4

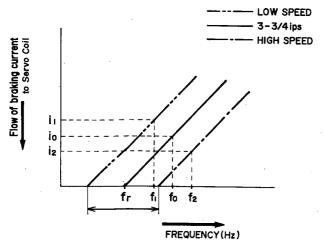
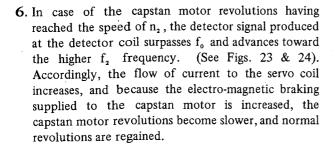
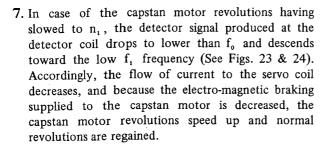


Fig. 23





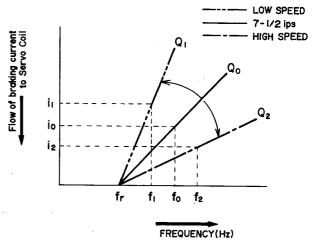


Fig. 24

- 8. To obtain the proper number of revolutions, adjustment of the flow of brake current to the servo coil is necessary.
 - 1) At 3-3/4 ips tape speed

As shown in Fig. 23, resonance frequency f_T (between the arrow mark) is changed by adjusting the dust core of discriminator coil L-1 (V1203 1SC-01). Accordingly, f_0 is also changed between f_1 and f_2 , and the flow of braking current (i_0) to the servo coil is also changed between i_1 and i_2 . Consequently, correct tape speed can be attained by using a tape speed measuring tape and a Frequency Counter and adjusting the dust core of coil L-1.

2) At 7-1/2 ips tape speed

As shown in Fig. 24, Q₀ of the resonance circuit (within the arrow mark with f₁ as center frequency), is changed by adjusting discriminator semi-fixed resistor VR-202 (2k B). Therefore, f₀ is also changed between f₁ and f₂ and, the flow of current (i₀) to the servo coil is also changed between i₁ and i₂. Consequently, correct tape speed can be attained by using a tape speed measuring tape and a Frequency Counter and adjusting semi-fixed resistor VR-202.

IX. DIFFERENTIATION OF SYSTEM CONTROL SCHEMATIC DIAGRAM & P. C. BOARD

1. Because the System Control Schematic Diagram and the P.C. Board are differentiated by serial number, the following (Chart 5) is provided for reference.

Serial Number	Schematic Diagram No.	P.C. Board
# 70301-0001 to # 70809-2000	No. 3-3A	КН-1009А, В
from # 71011-0001	No. 3-3B	KH-1039A, B

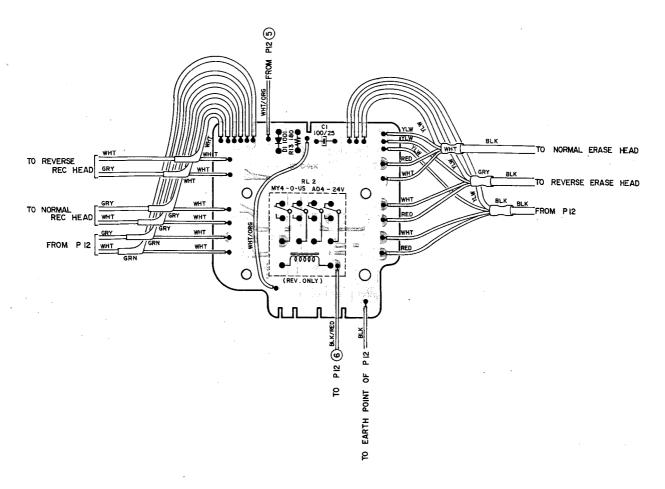
Chart 5

Accordingly, because System Control P.C. Board KH-1009A, B and KH-1039A, B are not interchangeable, when placing your order, be sure to state the System Control P.C. Board number.

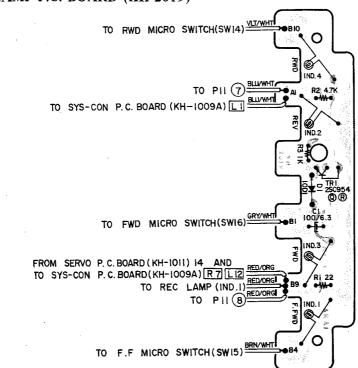
- 2. When using a KH-1039A, B in a machine employing System Control P.C. Board KH-1009A, B, the following changes are also necessary.
 - 1) Remove the lead wires connected to operation switches SW-14 (RWD), SW-15 (F.FWD), and SW-16 (FWD) from terminals (B1) (B4) and (B10) of the Operation Lamp P.C. Board.
 - 2) Remove the multi-socket terminal L12 lead wire connected to the System Control P.C. Board, and connect terminals L12 and (B1).
 - 3) Remove the multi-socket terminal R8 lead wire connected to the System Control P.C. Board, and connect terminals R8 and B4.
 - 4) Remove the multi-socket terminal R2 lead wire and connect terminals R2 and (B10).
 - 5) Disconnect the various inner components (resistor, capacitor, diode, and transistor) of the Operation Lamp P.C. Board and directly connect Lamps IND-1 through IND-4.

X. COMPOSITE VIEWS OF COMPONENTS

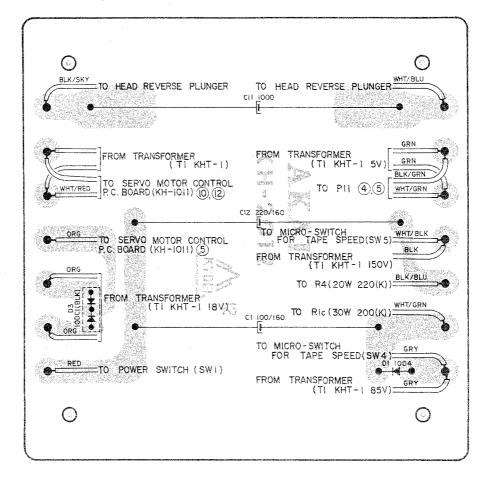
HEAD RELAY P.C. BOARD (KH-0029)

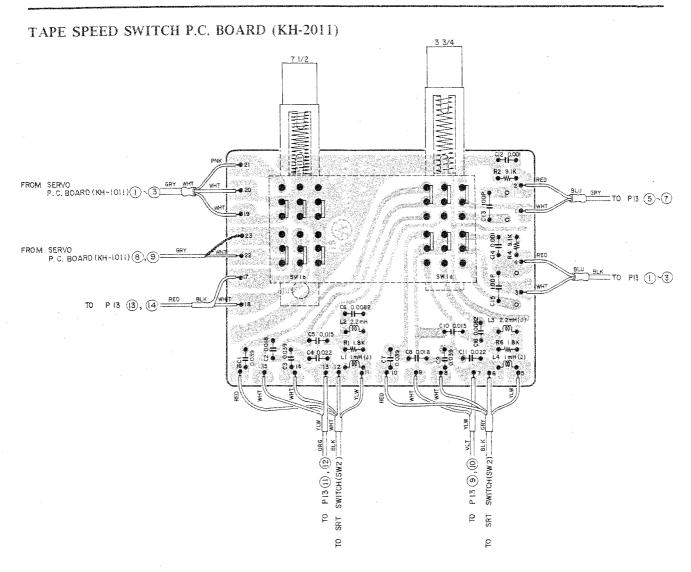


OPERATION LAMP P.C. BOARD (KH-2019)

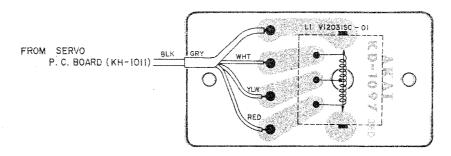


CAPACITOR P.C. BOARD (KH-2012)

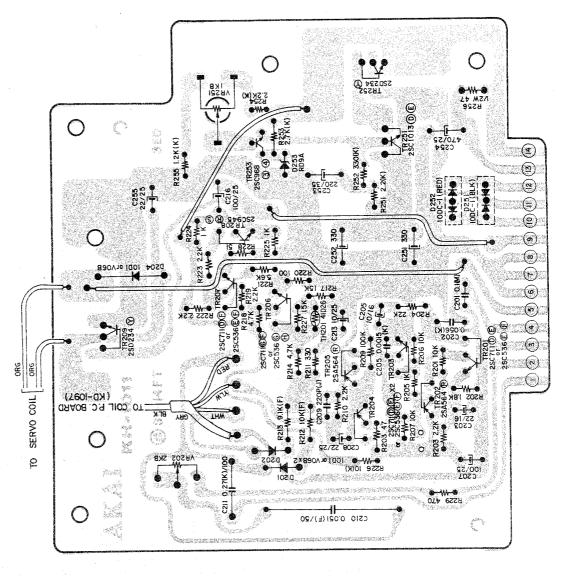




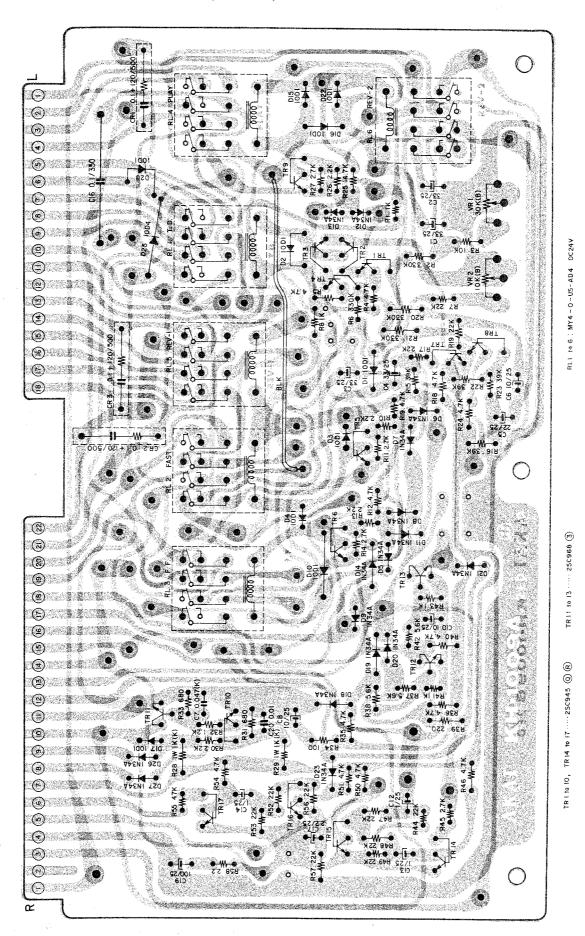
COIL P.C. BOARD (KD-1097 2ED)



SERVO P.C. BOARD (KH-1011)

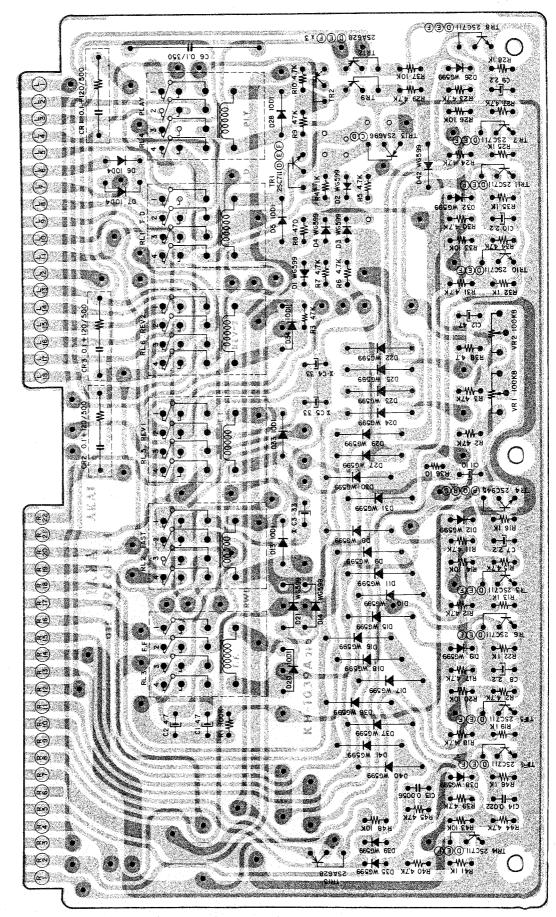


SYSTEM CONTROL P.C. BOARD (KH-1009)

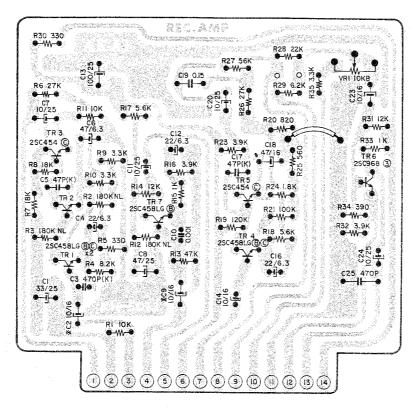


Y4-0-US-AD4 DC 24V

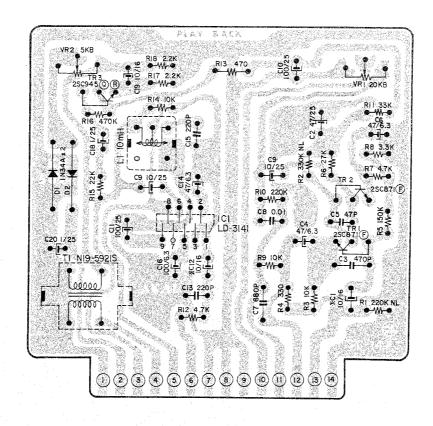
SYSTEM CONTROL P.C. BOARD (KH-1039)



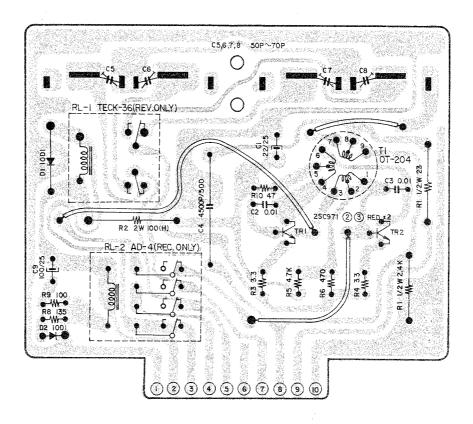
REC. AMP. P.C. BOARD (KH-5013)



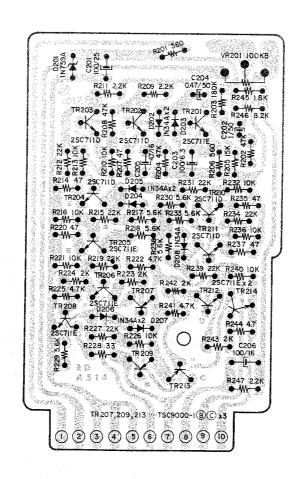
P.B. AMP P.C. BOARD (KH-5014)



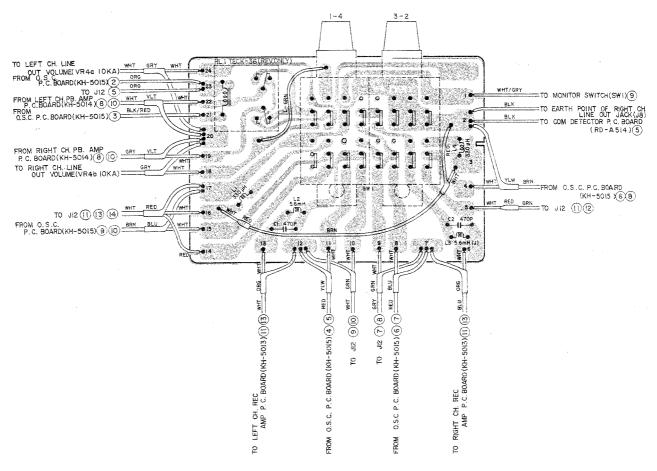
OSC. P.C.



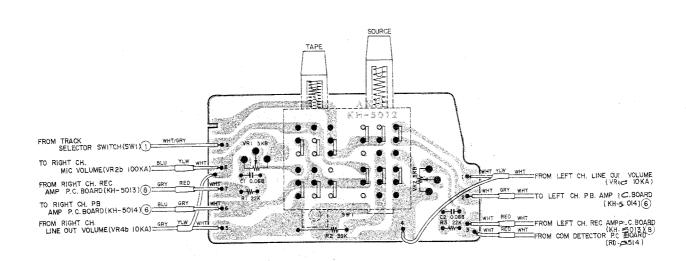
COM DETECTOR P.C. BOARD (RD-A514)



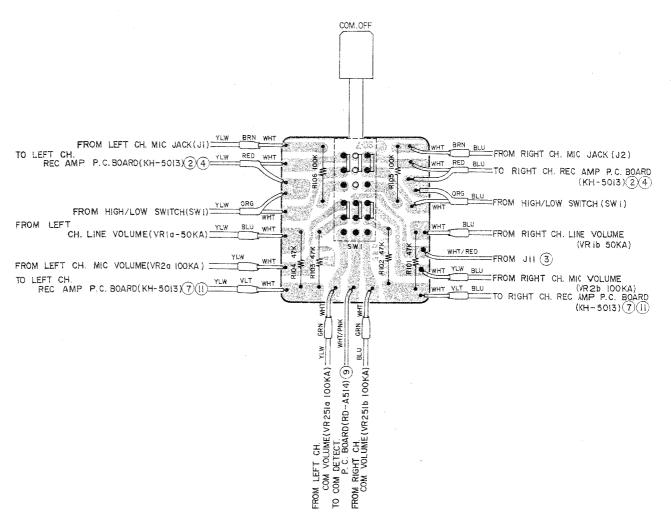
TRACK SELECTOR P.C. BOARD (KH-5011)



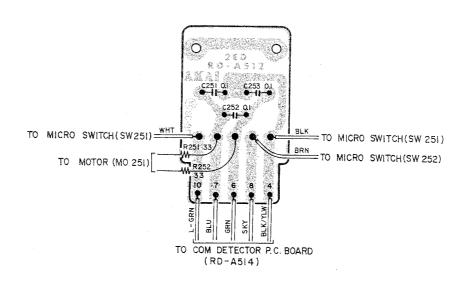
MONITOR SWITCH P.C. BOARD (KH-5012)



COM SWITCH P.C. BOARD (RD-525 2ED)



TERMINAL P.C. BOARD (RD-A512 2ED)



SECTION 2

PARTS LIST

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FIG. 19	COM SWITCH P.C. BOARD (RD-525) BLOCK
FIG. 20	COM MECHANISM BLOCK
FIG. 21	AMP. ASSEMBLY BLOCK
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INDEX	

HOW TO USE THIS PARTS LIST

- 1. This parts list is compiled by various individual blocks based on assembly process.
- 2. When ordering parts, please describe parts number, serial number, and model number in detail.
- 3. How to read List

Ref.

The reference number corresponds with illustration or photo number of that particular parts list.

This number corresponds with the Figure Number.

This number corresponds with the Figure Number.

This number corresponds with the individual parts index number in that figure.

A small "x" indicates the inability to show that particular part in the Photo or Illustration.

Schematic Diagram Number of individual manufactured part.

(not required for parts order)

Parts No. Description

Schematic No. Schematic Q'ty

No. FLYWHEEL BLOCK #13 12-115x 800425 Flywheel Block Assy. Comp. RDG \$13-112-116 244506 Flywheel Only RD-233 12-117x 244754 Felt, Flywheel RD-275 12-118 251324 Main Metal Case RD-236 12-119 253080 Main Metal RD-237

- 4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
- 5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
- 6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts List Table of P.C. Board.
- 7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
 - It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
- 8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

ELECTRICAL PARTS LIST TABLE



FIG. 1 (A) ILLUSTRATION OF KH HEAD BLOCK

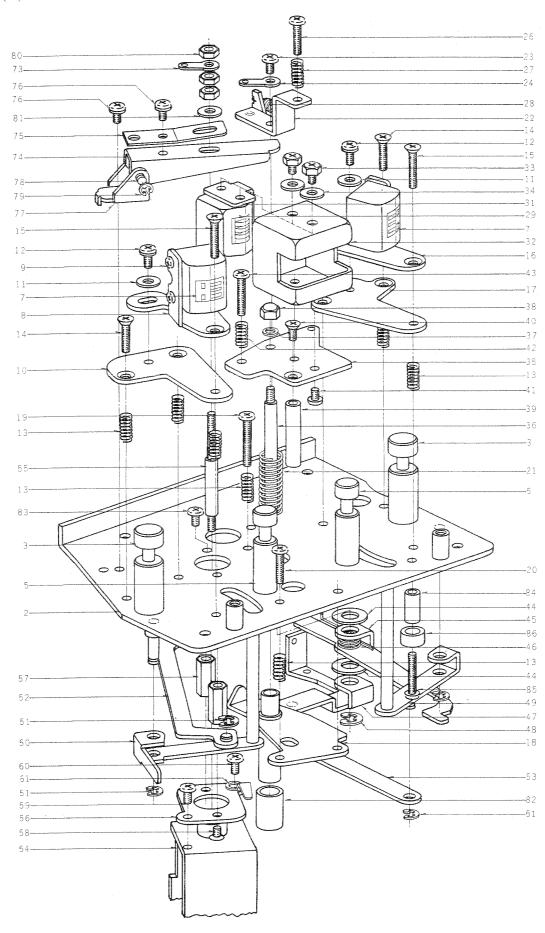
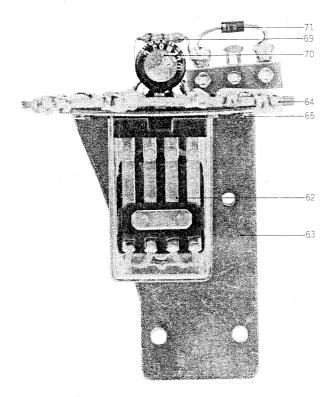


FIG. 1 (B) PHOTO OF KH HEAD BLOCK

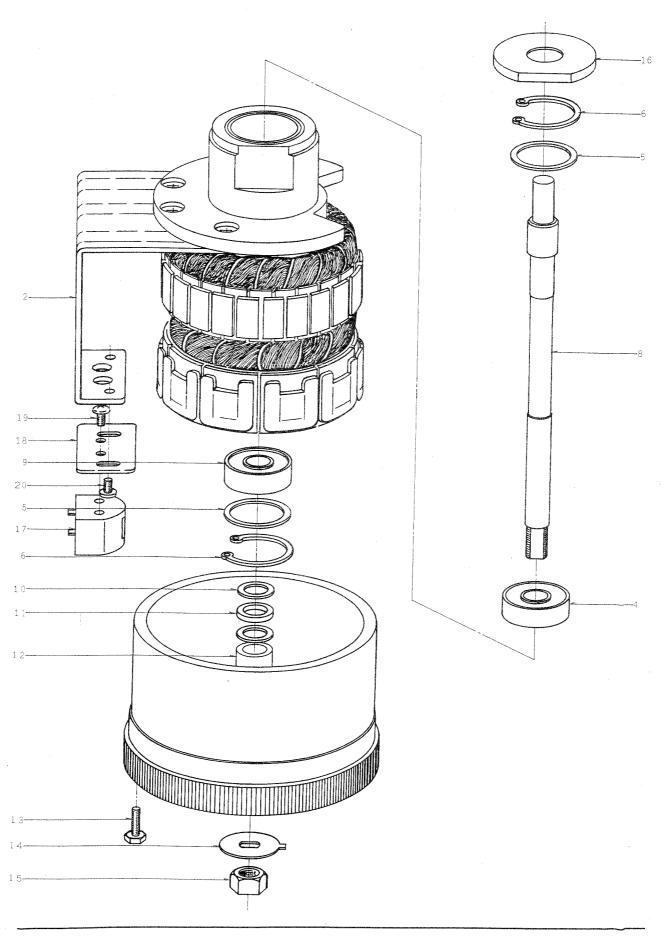


KH HEAD BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
1-1x	BH482310	KH Head Block Comp.	КН	1
1-2	HZ473084	Head Chassis, w/pin	KH-0001	1
1-3	HZ473332	Tape Guide B	KH-0027	2
1-4x	ZW434250	Screw, pan head 4x8, w/washer		2
1-5	HZ482714	Tape Guide C	KH-0052	2
1-6x	ZW414033	Screw, countersunk head 3x8		2
1-7	HR482321	REC./ERASE HEAD RE4-1		2
1-8	HZ473152	Combo Head Angle B	KH-0008	1
1-9	ZW477876	Screw, pan head 2x3		6
1-10	HZ473343	Combo Head Base B	KH-0033	
1-11	ZW413256	Washer (SPC) D3.4x7.8x0.5t		2
1-12	ZW413728	Screw, binding head 3x6,		
		w/washer		2
1-13	ZG303300	Angle Adjust Spring B	RD-55	9
1-14	ZW419793	Screw, countersunk head 3x12		4
1-15	ZW482736	Screw, countersunk head 3x15		2
1-16	HZ473141	Combo Head Angle A	KH-0007	1
1-17	HZ473163	Combo Head Base A	KH-0009	1
1-18	HZ473185	PH Head Chassis B, w/metal	KH-0011	1
1-19	ZW439514	Screw, binding head 3x18		1
1-20	ZW413785	Screw, binding head 3x12		2
1-21	ZG473218	Reverse Spring	KH-0014	1
1-22	HZ473174	Head Height Adjust Table	KH-0010	1
1-23	ZW413155	Screw, binding head 3x6		1
1-24	ZW273778	M3 Earth Lug		2
1-25x	ZW273802	M3 Toothed Lock Washer		1
1-26	ZW413785	Screw, binding head 3x12		1
1-27	ZG303300	Angle Adjust Spring B	RD-55	1
1-28	ZG810055	PH Hold-down Pull Spring	RD-52	1
1-29	HP384524	P.B. HEAD P4-200		1
1-30x	EA463206	P.C. Board, Terminal A	RD-A36	2
1-31	HZ473130	PH Head Angle	KH-0006	1
1-32	HZ382667	Triple-shield	RD-A3	1
1-33	ZW375963	Hexagon Bolt 3x4		2
1-34	ZW413256	Washer (SPC)D3.4x7.8x0.5t		2

Ref. No.	Parts No.	Description	Schematic Q	'ty
1-35	HZ473128	PH Head Chassis A	KH-0005	1
1-36	MH473207	UD Shaft	KH-0013	1
1-37	ZW259648	Washer (PBP)D3x5x0.1t		1
1-38	ZW482758	M3 Cap Nut		1
1-39	HZ809976	PH Hold-down Guide	RD-14	1
1-40	ZW432685	Screw, countersunk head		
		3x6 D=5		1
1-41	ZW413223	Screw, binding head 3x5, w/washer		2
1-42	ZG303300	Angle Adjust Spring B	RD-55	1
1-43	ZW417148	Screw, binding head 3x15		1
1-44	ZW260188	Washer (Nylon)D6.2x13x0.5t		2
1-45	HZ473231	Stopper	KH-0017	1
1-46	ZG473321	Stopper Spring	KH-0026	1
1-47	HL473242	Shifter Lever 1, w/pin	KH-0018	1
1-48	ZW270134	'E' Ring 5M	6-1-9	1
	HL473253	Shifter Lever 2, w/pin	KH-0019	1
1-49			KH-0020	1
1-50	HL473264	Shifter Lever 3, w/pin		6
1-51	ZW270101	'E' Ring 3M	6-1-9	
1-52	HZ473297	Shifter Joint A	KH-0023	1
1-53	HZ473308	Shifter Joint B	KH-0024	1
1-54	EP804813	Plunger Solenoid M-10B-34V	44-1-16	1
1-55	HZ473365	Plunger Joint	KH-0031	1
1-56	HZ473354	Plunger Base	KH-0015	1
1-57	HZ321344	Plunger Retaining Prop	RD-7	2
1-58	ZW432685	Screw, countersunk head 3x6 D=5		2
1-59	ZW413728	Screw, binding head 3x6, w/washer		1
1-60	ZW413155	Screw, binding head 3x6		1
1-61	HZ321366	Retaining Plate	3A -72	1
1-62	EP344136	Relay MY4-0-US-AD4-24V	47 - 1 - 8	1
1-63	HZ473220	Relay Mt. Parts	KH-0016	1
1-64	EA473376	Head Relay P.C. Board	KH-0029	1
1-65	ZW461935	Screw, round head 2.6x4		4
1-66x	ZW317801	M2.6 Toothed Lock Washer		1
1-67x	EA222096	Connector P.C. Board	RD-140	1
1-68x	EZ328320	Nylon Clip HP-5N		1
1-69	ER361563	Carbon/R. RD1/4 180(J) (Stop. type)	35-10-1	Ĭ.
1-70	EC220151	Elect./C. 100 μF 25WV (Vert. type)	24-12-91	1
1-71	ED224526	Silicon Diode 10D1	45-2-11	1
1-72x	HZ488092	P.C. Board Shield (for connector)	KH-0055	2
1-73	ZW273778	M3 Earth Lug		1
1-74	HL809998	PH Hold-down Lever	RD-24	1
1-75	ZG246857	Pull Lever Spring	RD-25	1
1-76	ZW413223	Screw, binding head 3x5, w/washer		2
1-77	HL473387	PH Hold-down Lever Support	KH-0032	1
1-78	ZW257477	Connecting Pin	RD-211	1
1-79	ZW270088	'E' Ring 1.9M	6-1-9	1
1-80	ZW273756	M3 Nut	0 1 3	5
1-81	ZW413256	Washer (SPC)D3.4x7.8x0.5t		1
1-82	HZ321434	Dust-proof Cap B	RD-54	1
			07	1
1-83	ZW417025	Screw, binding head 3x8,		~
1 0 4	LI7424072	w/washe	VII). Loose	2
1-84	HZ434272	Shifter Stopper Collar	KD-A0010	1
1-85	ZW417148	Screw, binding head 3x15	NTV sine	1
1-86	MZ428343	KD Stopper Rubber	KD-1088	1

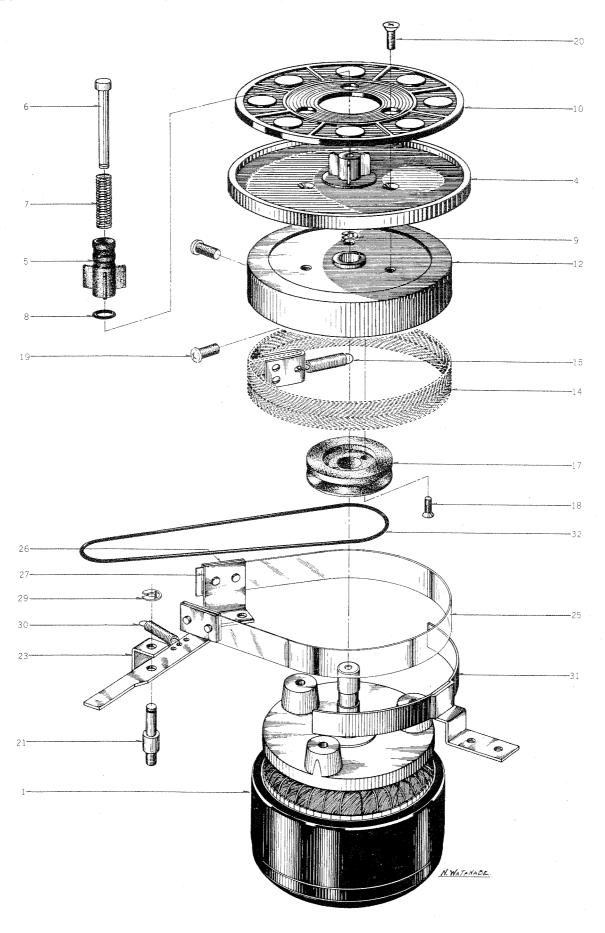
FIG. 2 ILLUSTRATION OF MAIN MOTOR BLOCK (SCM-24)



MAIN MOTOR BLOCK (SCM-24)

Ref. No.	Parts No.	Description	Schematic Q No.	'ty
2-1 x	BM482286	Main Motor Block (SCM-24)		
		Comp.	KH, KD, KF	1
2-2	MZ405437	Detector Head Mt. Base	KD-7029	1
2-3x	ZW419747	Screw, countersunk head 4x6		4
2-4	MV408510	Bearing 608VVC2E-AV2-L	100707	1
2-5	ZW398125	Adjust Washer A	KD-7019	2
2-6	ZW206021	'C' Ring (hollow) D22	6-1-2	2
2-7x	ZW391476	Set Screw, hexagon socket		
		4x4(cup)		1
2-8	MS473657	Motor Shaft	KH-7001	1
2-9	MV248130	Bearing 608VVC2E-B32	100707	i
2-10	ZW321592	Washer (SUS)D8.1x13x0.3t		2
2-11	ZW356883	Washer (Hycar)D8.3x11.8x0.5t		3
2-12	ZW424203	Spacer	KD-7057	1
2-13	ZW403525	Hexagon Bolt 3x10		4
2-14	ZW398158	Servo Motor Anti Loosening		
		Washer	KD-7022	1
2-15	ZW403536	M7 Nut P=0.5		1
2-16	MZ398182	·Cap	KD-7026	1
2-17	HK398452	DETECTOR HEAD	KH, KD, KF	1
2-18	MZ400421	Detector Head Plate	KD-3008	1
2-19	ZW201475	Screw, pan head 2x3		2
2-20	ZW413155	Screw, binding head 3x6		2

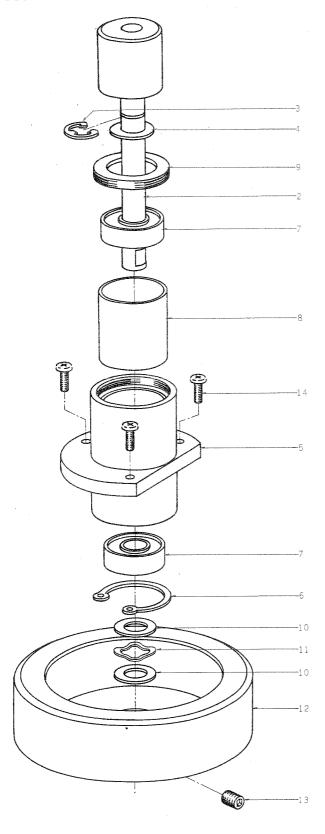
FIG. 3 ILLUSTRATION OF REEL MOTOR/REEL TABLE BLOCK



REEL MOTOR/REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic Q	ty
	REEL MOT	OR BLOCK		
3-1		Reel Motor Block (24XO-2) Comp.	KD, MR, MS, MC	2
	REEL TAB	LE BLOCK		
3-2x	BR482400	Supply Reel Table Comp.	KH, MR, MC	1
3-3x	BR482411	Take-up Reel Table Comp.	KH, MR, MC	1
3-4	MT488147	RD Reel Table Disk B	RD-272	2
3-5	MT255420	Reel Retainer	3R - 102	2
3-6	MS342000	Reel Shaft	3R - 108	2
3-7	ZG255633	Reel Spring	3R - 109	2
3-8	MT297663	3R 'O' Ring 2.9x1.65M	3R -139	2
3-9	ZW270088	'E' Ring 1.9M	6-1-9	2
3-10	MT473422	Reel Table Rubber (KH)	KH-2042	2
3-11x	MT473444	Brake Drum (left) (Supply)	KH-2031	1
3-12	MT473433	Brake Drum (right) (Take-up)	KH-2031	1
3-13x	ZW273778	M3 Earth Lug		2
3-14	MT436860	Brake Cloth Comp.	MR-269	2
3-15	ZG317496	Felt Tension Spring	MR - 260	2
3-16x	ZW425981	Screw, binding head 3x3		2
3-17	MR317507	Counter Pulley (Take-up)	MR-217	1
3-18	ZW365973	Screw, countersunk head 2.3x17	2	2
3-19	ZW424056	Screw, pan head 4x10		4
3-20	ZW403222	Screw, countersunk head 3x10		6
3-21	MZ317373	Brake Lever Prop	MR -102	2
3-22x	ZW413188	M4 Nut		2
3-23	ML314976	Brake Lever A (Take-up)	MR-210	1
3-24x	ML396810	Brake Lever B (Supply)	KD-1038	1
3-25	MB314987	Brake Band	MR-213	2
3-26	MZ314998	Brake Band Retaining Plate	MR-212	4
3-27	MZ315000	Brake Band Support	MR -214	2
3-28x	ZW323728	Screw, binding head 3x5		8
3-29	ZW290283	'U' Ring 2.85M	6-1-1	2
3-30	ZG315011	Brake Lever Spring	MR-116	2
3-31	MZ317406	Brake Band Guide, w/base	MR-120	2
3-32	MB303535	Counter Belt D91x1.6	3A-617	1

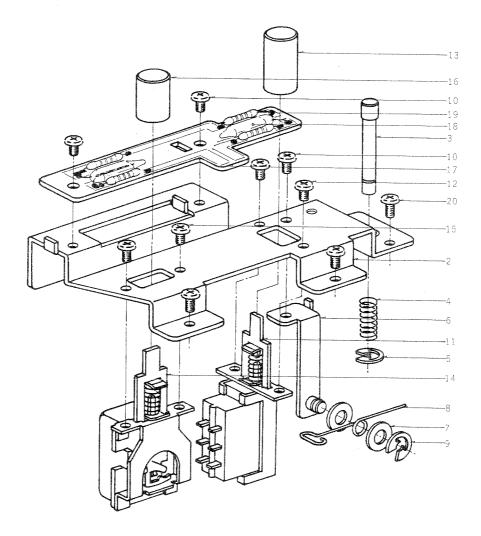
FIG. 4 ILLUSTRATION OF IMPEDANCE ROLLER BLOCK



IMPEDANCE ROLLER BLOCK

Ref. No.	Parts No.	Description	Schera tic.	Q'ty
4-1 x	BL482422	Impedance Roller Block Comp.	KH	1
4-2	MS473916	Impedance Roller Arm Shaft,		
		w/roller	KH-10 36	1
4-3	ZW334653	E' Ring 7M	6-1-)	1
4-4	-ZW321592	Washer (SUS)D8.1x13x0.3t		1
4-5	BC473927	Impedance Case	KH-0 32	1
4-6	ZW206021	'C' Ring (hollow) D22	6-1-)	1
4-7	MV248141	Bearing 608VVC2E-B32-L		2
4-8	MZ473938	Bearing Collar	KH-p .33	1
4-9	ZW292667	Z Bearing Screw	3A-15	1
4-10	ZW260256	Washer (PBP)D8.1x13x0.1t		2
4-11	ZG300431	8M/M Oil-pressure Spring WW-8	6-2-	1
4-12	MZ292678	Z Wheel	RD-115	1
4-13	ZW487912	Set Screw, hexagon socket		
		5x6(cup)		2
4-14	ZW413201	Screw, pan head 4x8		3

FIG. 5 ILLUSTRATION OF POWER & PAUSE SWITCH BLOCK



POWER & PAUSE SWITCH BLOCK

Ref. No.	Parts No.	Description	Schematic No. Q	'ty	Ref. No.	Parts No.	Description	S chematic No.	⊋'ty
5-1 x	BS482308	Power & Pause Switch Comp.	KH	1	5-12	ZW444273	Iso Screw, binding head 3x4		2
5-2	MZ474006	Power & Pause Switch Table,			5-13	SB474118	Push Button 3	KH-1023	1
		w/metal	KH-2050	1	5-14	ES468426	Push Switch UEH-12BFN	25-3-58	1
5-3	MS473962	Pause Lock Shaft	KH-2005	1	5-15	ZW371856	Iso Screw, binding head 3x5		2
5-4	ZG473973	Pause Spring	KH-2006	1	5-16	SK482646	Knob B-1	MC-5011	1
5-5	ZW482635	'U' Ring 2.85M	6-1-1	1	5-17	EA487991	Neon Lamp P.C. Board	KH-1031	1
5-6	MZ473995	Spring Mt. Plate, w/pin	KH-2049	1	5-18	EL236125	Neon Lamp NE-68	28-3-3	2
5-7	ZW420682	Washer (Nylon)D4.2x9x0.5t		2	5-19	ER345756	Carbon/R. RD1/4 68k(J)		
5-8	ZG472770	Pause Spring B	KH-2009	1			(Insu. type	35-9-5	4
5-9	ZW290283	'U' Ring 2.85M	6-1-1	1					
5-10	ZW417137	Screw, binding head 3x4		3	5-20	ZW323728	Screw, binding head 3x5		3
5-11	ES482938	Push Switch JH-3	25-5-61	1					

FIG. 6 (A) ILLUSTRATION OF OPERATION BLOCK

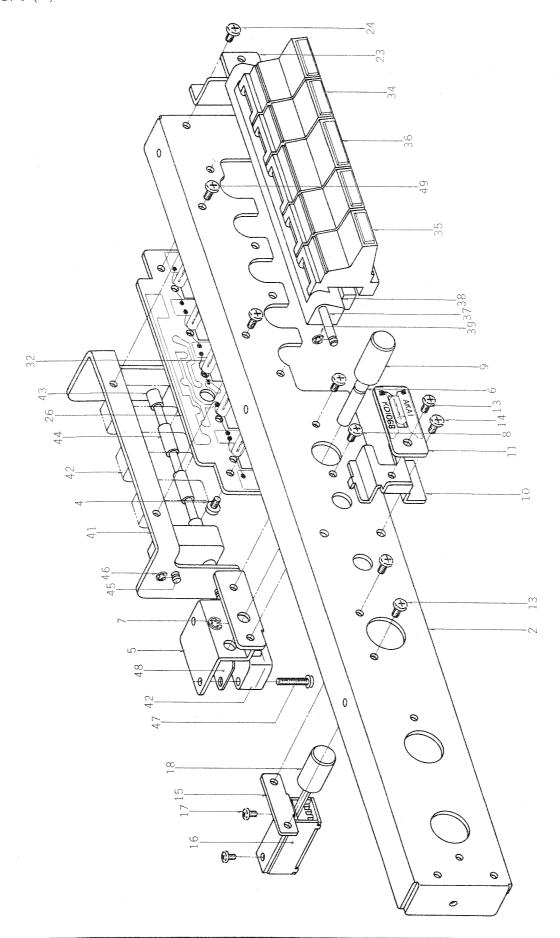
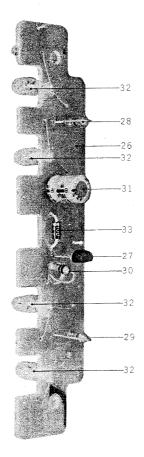


FIG. 6 (B) PHOTO OF OPERATION BLOCK



OPERATION BLOCK

Ref. No.	Parts No.	Description	Schematic Q'i	tу
6-1 x	BZ482376	Operation Block Comp.	КН	1
6-2	BZ472656	Operation Frame	KH-2016	1
6-3x	BA482398	Operation Lamp P.C. Board		
		Comp. (KH-2019)		1
6-4	ZW323728	Screw, binding head 3x5		2
6-5	EZ397956	Rec. Button Bracket	KD-5015	1
6-6	MZ472667	Rec. Push Rod	KH-2028	1
6-7	ZW270101	'E' Ring 3M	6-1-9	1
6-8	ZW323728	Screw, binding head 3x5		2
6-9	SK472678	Rec. Knob	KH-2027	1
6-10	MZ472680	Rec. Lamp Mt. Plate	KH-2040	1
6-11	EA396898	Neon Lamp P.C. Board	KD-1068	1
6-12x	EL390576	Pilot Lamp RM6-24V-50MA	28-2-6	1
6-13	ZW323728	Screw, binding head 3x5		3
6-14	ZW472274	Tapping Screw #2 3x6		1
6-15	MZ472691	SRT Switch Mt. Part	KH-2024	1
6-16	ES482861	Push Switch UEG-63A	25-5-63	1
6-17	ZW442585	Screw, binding head 2.6x4		2
6-18	SK482850	Knob B-1	KF-2019	1
6-19x	BA482387	Tape Speed Switch P.C. Board		
		Comp. (KH-2011)		1
6-20x	ZW371856	Iso Screw, binding head 3x5		2
6-21x		Push Button 1	KH-1022	2
6-22x	ZW259413	Washer (ALP)D2.7x4.9x1t	BT-112	1
6-23	MZ472792	Amp. Panel Retaining Metal	KH-2029	2
6-24	ZW472274	Tapping Screw #2 3x6		4
6-25x	BA482398	Operation Lamp P.C. Board Comp. (KH-2019)		1
6-26	EA472724	Operation Lamp P.C. Board (KH-2019)	KH-2019	. 1
6 27	ET200711	Transistor 2SC945(Q)(R)	45-1-85	1
6-27 6-28	ET398711 ER430053	Carbon/R. RD1/4 22(J)	45 1 00	1
. 0-20	EK420033	(Stop. type)	35-10-1	i
6-29	ER212883	Carbon/R, RD1/4 4.7k(J)	00 1	
0-27	21(212000	(Stop. type)	35-10-1	1
6-30	ER211465	Carbon/R. RD1/4 1k(J)	35-10-1	1
6-31	EC220364	Elect./C. 100 µF 6.3WV	50 10 1	
0 0 1		(Vert. type)	24-12-9	1
6-32	EL390576	Pilot Lamp RM6-24V-50MA	28-2-6	4
6-33	ED224526	Silicon Diode 10D1	45-2-11	1
6-34	SB867205	Operation Button A, w/bush	70	,
		A(blue)	KH-2022	2
6-35	SB867565	Operation Button A, w/bush		
		B(orange)	KH-2022	2
6-36	SB472768	Operation Button B	K H-2021	1
6-37	MS438243	Button Shaft	K F-2009	1
6-38	MZ472781	Lamp Cover	K H-2018	1
6-39	ZW270088	'E' Ring 1.9M	6-1-9	2
6-40x	ZW323728	Screw, binding head 3x5		2
			15 XI 0015	
6-41	MZ474513	Operation Switch Base	K H-2017	1
6-42	ES250075	Micro Switch V-1A10 U/L	25-1-8	7
6-43	MZ397337	Switch Spacer A	K D-2005	2
6-44	MZ472836	Operation Button Collar	K H-2023	2
6-45	MS250165	Micro Switch Shaft B	R D-122B	2
6-46	ZW270088	'E' Ring 1.9M	6-1-9	2
6-47	ZW417148	Screw, binding head 3x15	77 Th. 10 000	1
6-48	ZG466154	Switch Spring	K ID-A2-012	2
6-49	ZW323728	Screw, binding head 3x5		4

FIG. 7 (A) ILLUSTRATION OF POWER SUPPLY BLOCK

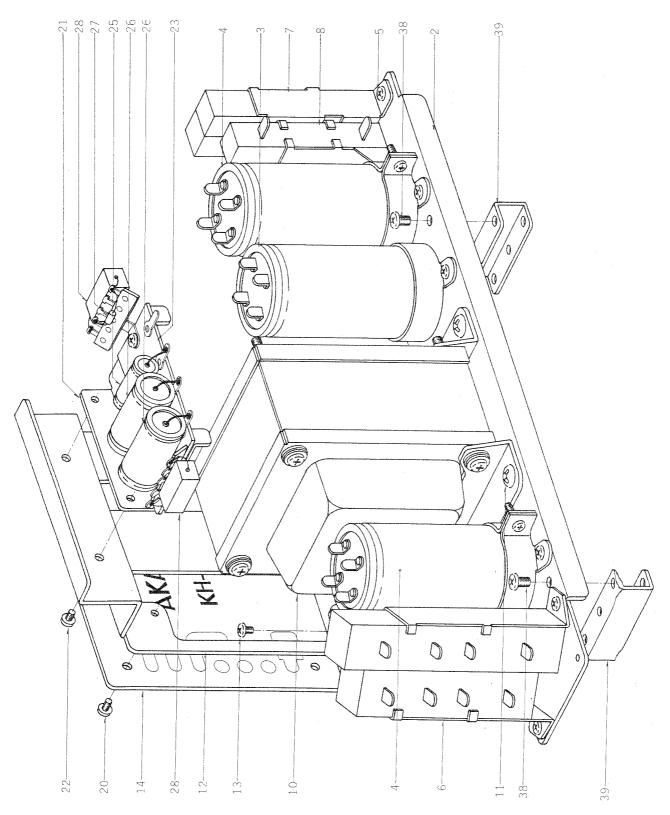
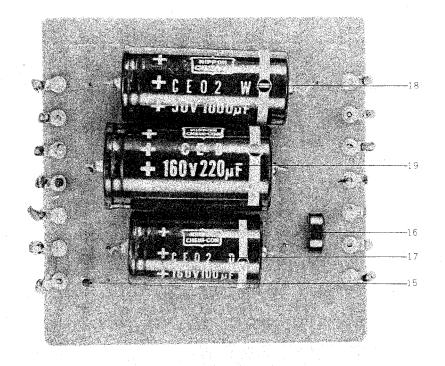
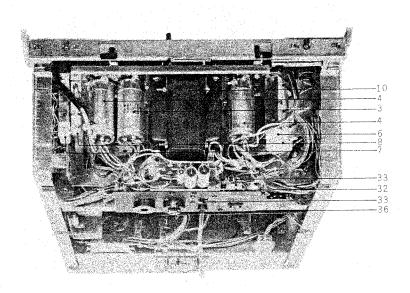


FIG. 7 (B, C) PHOTO OF POWER SUPPLY BLOCK

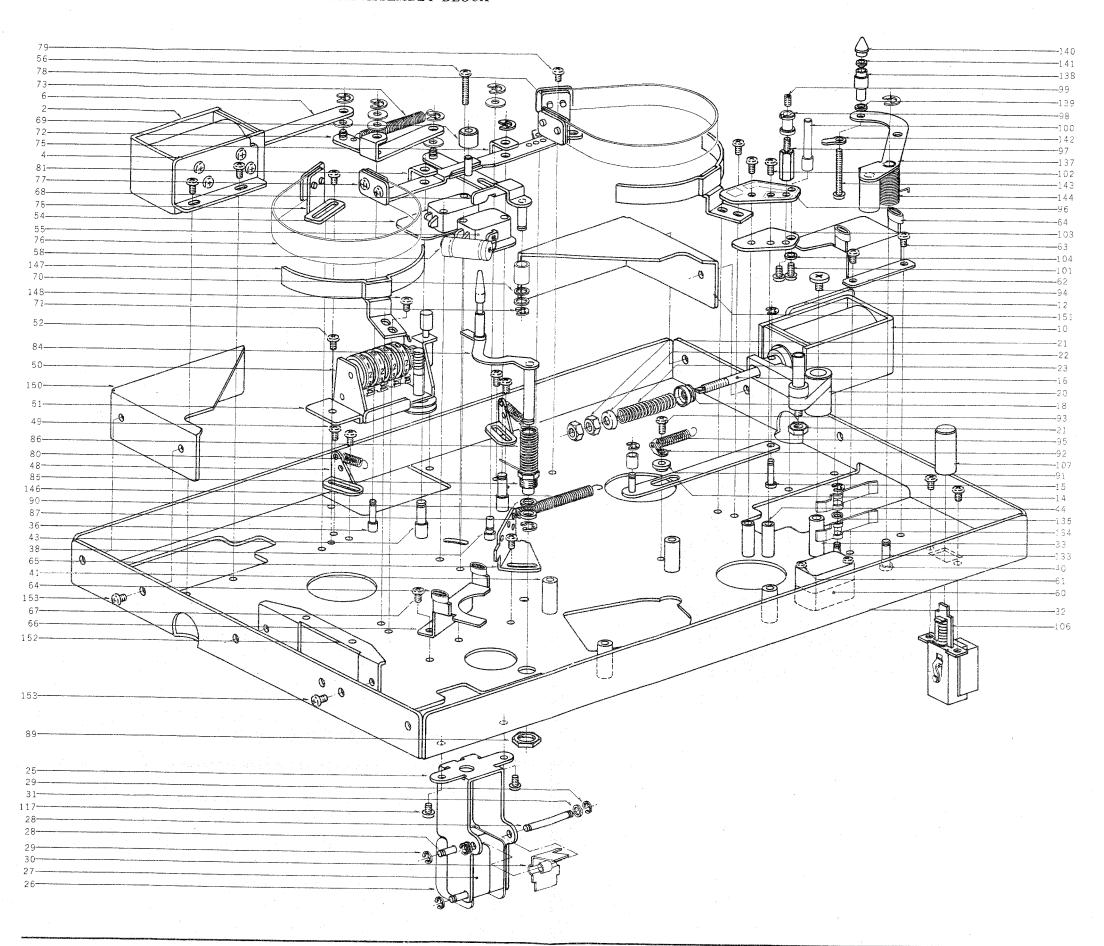




POWER SUPPLY BLOCK

Ref. No.	Parts No.	Description	Schematic Q No.	'ty
7-1 x 7-2	BP482343 UM488924	Power Supply Block Comp. Trans. Table	KH. KD, KF, KO KH-2052	1
7-3	EC434081	MP/C. 3+0.5 μF 200WV		
7-4	EC398632	(Lug type Uni/D.) MP/C. 3+1 µF 260WV	24-9-58	1
7	DC370032	(Lug type Uni/D.)	24-9-52	2
7-5	ZW472274	Tapping Screw #2 3x6		11
7-6	ER426690	Cement/R. H(40+30) H2B		
, 0	2311120074	(350+150x200+500)	35-16-25	1
7-7	ER493097	Cement/R. H(20+20) H1B (60+35x1.5k+500)k	35-16-35	1
7-8	ER339805	Cement/R. H20B 450(K)	. 30.10.90	-
1-0	ER339603	(wire-wound type), w/belt	35-16-16	1
7-9x	ER472296	Cement/R. H20B 220(K)	35-16-16	1
7-10	BT472702	Power Trans. KHT-1	38-4-153	1
7-11	ZW468112	Tapping Screw #2 4x8(truss)		4
7-12	MZ465772	Trans. Table D	K.D - A 2008	1
	ZW490228	Tapping Screw #2 3x8		2
7-13	ZW490226	Tapping Screw #2 3x0		~
7-14	BA482578	Capacitor P.C. Board (KH-2012) Comp.	T111 9071	1
2.2	T3D 2 2 4 5 5 0			1
7-15	ED224550	Silicon Diode 10D4	45-2-16	1
7-16	ED329130	Silicon Diode 10DC-1(black)	45-2-27	1
7-17	EC316091	Elect./C. 100 µF 160WV	 N - 9x-1x-1x	1
		(Tub. type)	24-14-14	1
7-18	EC365692	Elect./C. 1000 µF 50WV (Tub. type)	24-13-15	1
7-19	EC346746	Elect./C. 220 µF 160WV (Tub. type)	24-14-8	. 1
				4
7-20	ZW490228	Tapping Screw #2 3x8	KD-2027	4
7-21	EZ397282	Capacitor Retaining Base	K1)*2021	1
7-22	ZW323728	Screw, binding head 3x5		4
7-23	EZ398946	Terminal Plate SP-0501 B type 41		1
7-24x	ER430143	Carbon/R. RD1/4 120(J)		
		(Insu. type) 35-9-5	1
7-25	EC273464	MP/C. $0.1 \mu F(M)$ 350WVDC (Tub. type) 24-9-4	1
7-26	EC341842	MP/C. 0.47 μF(M) 300WVAC		
		(Tub. type		2
7-27	EJ255115	Lug Plate VB2L2	33-4-3	2
7-28	ER466986	Cement/R. S5W 45(K)		
		(Wire-wound type) 35-16-3	2
7-29x	ED224550	Silicon Diode 10D4	45~2-16	1
7-30x	EZ328320	Nylon Clip HP-5N		2
7-31x	ZW462194	Tapping Screw #2 3x8(pan), w/washe	:r	2
7-32	EZ397304	Frequency Change Switch		
		Plate A	A KD-2043	1
7-33	ES375478	Slide Switch ESD-279DU	25-3-23	2
7-34x	ZW371856	Iso Screw, binding head 3x5		2
7-35x	ZW440291	Iso Screw, countersunk head		
		3x	6	2
7-36	EJ233370	Power Plug Socket S-18010	40-2-3	1
7-37x	EF277413	Fuse ST-2 2A	39-1-26	1
7-38	ZW417150	Screw, pan head 4x6		4
7-39	MZ397170	Trans. Base C	KD-1065	2
, 37				

FIG. 8 (A) (B) ILLUSTRATION OF MECHANISM ASSEMBLY BLOCK



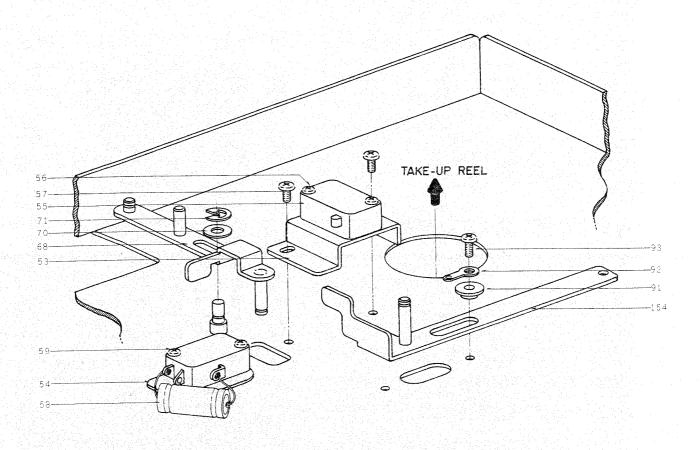
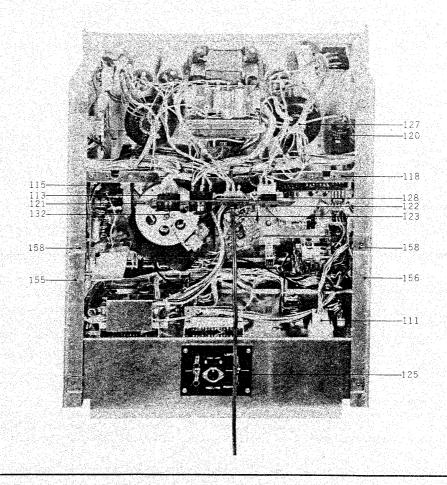


FIG. 8 (C) PHOTO OF MECHANISM ASSEMBLY BLOCK



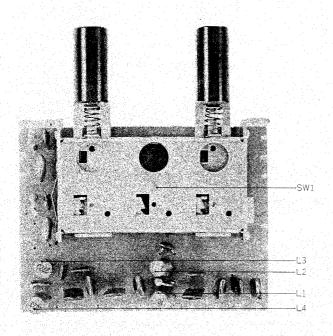
MECH	ANISM	ASSEMBL'	Y BLOCK
TV FT T	ALC: I DIVE		

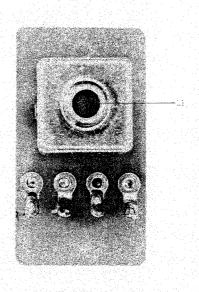
Ref.	Parts No.	Description	Schematic Q	'ty	Ref. No.	Parts No.	Description	Schematic Q	'ty
JEN A	DDAVE DI I	JNGER BLOCK			8-60	ES250064	Micro Switch V-1A44 U/L	25-1-7	2
		Brake Plunger Block Comp.	KH, KD, KF	1	8-61		Screw, binding head 3x25		2
8-1x	BZ398338	Plunger Solenoid	KII. KD, KI	•		MZ472904		KH-1006	1
8-2	EP398610				8-62			1000	
		SDC-10-M-C-100V	44-1-36	1	8-63		Screw, binding head 3x4	7714 400#	4
8-3x	ER376424	Spark Quencher U/L			8-64		Stopper Rubber (KH)	KH-1037	4
		0.1µ+120 500WV	41-1-36	1	8-65		KD Spring Hanger	KD-A1007	1
8-4	MZ396911	Plunger Bracket	KD-1028	1	8-66	MZ486450	Roller Arm Stopper	KH-1033	. 1
8-5x	ZW201835	Screw, binding head 3x5		4	8-67	ZW323728	Screw, binding head 3x5		2
8-6	MZ396977	Brake Plunger Joint	KD-1039	1	8-68	MZ396832	Brake Slide, w/pin	KD-1044	1
8-7x	ZW257477	Connecting Pin	RD-211	1	8-69	MZ397181	Lever Cushion	KD-1069	1
8-8x	ZW270088	'E' Ring 1.9M	6-1-9	1	8-70	ZW482545	Washer (Polyslider)		
O*0A	211210000		913				D4.1x10x0.13t		5
					8-71	ZW270101	'E' Ring 3M	6-1-9	1
	DINIGH DOL	LER PLUNGER BLOCK			8-72	ML396742		KD-1041	1
					8-73	ZG465478	Brake Lever, W/pin	KD-1092	1
8-9x	BZ482297	Pinch Roller Plunger Block							4
			KH,KD,K		8-74x		'U' Ring 2.85M	6-1-1	
8-10	EP441990	Plunger 1660THTI Solenoid	44-1-45	1	8-75	ML314976		MR -210	1
8-11x	ER376424	Spark Quencher U/L			8-76		Brake Band	MR-213	2
		0.1 μ+1 20 500WV	41-1-36	1,	8-77		Brake Band Retaining Plate	MR-212	4
8-12	MZ396911	Plunger Bracket	KD-1028	1	8-78	MZ315000	Brake Band Support	MR-214	2
8-13x		Screw, binding head 3x5		3	8-79	ZW323728	Screw, binding head 3x5		8
8-14	MZ396966	Plunger Joint, w/pin	KD-1033	1	8-80	ZG315011	Brake Lever Spring	MR-116	2
	ZW257477	Connecting Pin	RD-211	1	8-81	ML396810	Brake Lever B (Supply)	KD-1038	1
8-15		Pinch Roller Arm Joint	RD-1031	1	8-82x	MZ467111	Servo Motor Shield	KD-A1010	2
8-16	MZ396944				8-83x	EJ254970	Lug Plate KP1L1	33-3-3	1
8-1.7x	and the second of the second o	'E' Ring 1.9M	6-1-9	1					
8-18	ZW345442	Washer (Nylon)D4.2x9x1t		1	8-84	WL472950	Impedance Roller Arm,	1511 to 1 0	
8-19x	ZW270101	'E' Ring 3M	6-1-9	1				KH-1018	1
8-20	MZ396933	Pinch Roller Arm, w/shaft	KD-1030	1	8-85		Arm Shaft Metal	KH-015	1
8-21	ZW273960	M4 Nut		3	8-86	ZG472994	Tension Spring	KH-1017	1
8-22	MZ802980	Spring Holder	RD-276	2	8-87	ZW472983	Z Roller Washer	KH-2043	11.
8-23	ZG428927	Pinch Roller Spring B	KD-1032	1	8-88x	ZW270101	E' Ring 3M	6-1-9	1
0.23		얼마를 즐겁다면 살다면 가게 보다고요?			8-89	ZW273363	M9 Hexagon Nut	RD-54	1
					8-90	ZW499443			1
	CDEED CH	ANGE SWITCH BLOCK			8-91		Graduated Washer	KD-1036	1
		Speed Change Switch Block			8-92		M3 Earth Lug	KD-1030	1
8-24x	BS482354		VII VI						
			. KH,KF	1	8-93		Screw, binding head 3x6	41.24.12.11	1
8-25	MZ473455	Speed Change Switch Stand	KH-2010	1	8-94	ZW243516		XR-40	1
8-26	MZ402377	Micro Insulator D	KD-2050	2	8-95	ZG208091	Impedance Arm Spring	RD-359	1
8-27	ES250064	Micro Switch V-1A44 U/L	25-1-7	2	8-96	EA473016	Sensing P.C. Board	KH-0013	1.
8-28	MS438254	Micro Switch Shaft	KF-2023	3	8-97	MH473027	Tape Guide Prop	KH-0028	1
8-29	ZW270088	'E' Ring 1.9M	6-1-9	6	8-98	MZ473038	Sensing Guide B	KH-3)14	1
8-30	ML397383	Speed Change Switch Lever 2		1	8-99	ZW433001	Set Screw, hexagon socket		
8-31	ZW425733	Washer (ALP)D3.1x8x1t		2			3x5(cup)		1
0-31	211-25750				8-100	MZ473040	Sensing Pole	KH-2/15	1
					8-101	ZW413741			1
	ACCOUNT A NIXE	SM ASSEMBLY BLOCK			8-102	ZW413155			2
	MECHANIC	M ASSEMBLI BLOCK	KD-1001					7711 mm 0	
8-32		Mech. Frame		1	8-103	MZ486448		KH-1(3-2	1
8-33	MS397001	Pinch Roller Arm Shaft	KD-1002	1	8-104	建催化剂等 电压力 医二十二	Insulator Liner A	KD-231	1
8-342		M5 Spring Washer		1	8-105x		Counter Belt D91x1.6	3A -617	1
8-35x	ZW413278	M5 Nut		1	8-106	ES482938	Push Switch JH-3	25-5-11	1
8-36	MS397012	Brake Lever Shaft	KD-1003	1	8-107	SB474041	Push Button 2	KH-123	1
8-37		M4 Nut		4 -	8-108x	ZW444273	Iso Screw, binding head 3x4		2
8-38	MS465480	Brake Lever Shaft B	KD-1093	1	8-109x	EJ310871	18P Multi-Jack J-2		
8-392				1			3250-018-001	31-4-12	1
8-40	MS397023	Tension Arm Shaft	KD-1004	1	8-110x	EJ347670	22P Multi-Jack-3		
	HZ397023	역사 회학 문화보십시오는 프로그램 경에 대하다고 있다면 걸어?	KD-1005	4			3250-022-0018	31-4-135	1
8-41		아름이 아마니다 요즘 이 없는 아버린 중에 그렇게 나는 아니는 나를 먹는 것이다.	VD 1009	4	8-111	EJ450573	9P Mate-N-Lock Cap Housing		ji Še
8-423		이 그리는 이 교통에 회회를 하는 동안생으로 구멍한 과어를 하지 않아요 하지만 하다고 있다.	MD 100		· · · · ·		1-480277-0	59-1-	1
8-43	MZ317373		MR-102	2	0.110	U7242101			
8-44		Sensing Table Prop B	KH-1034	2		HZ243191	Pin Contact 60511-1	52-1-	7
8-452	ZW413741	Screw, binding head 3x8		8	8-113	EJ222748	Sub Magnale Socket #311SG	31-1-197	1
8-462	MZ397045	Sys. Con, Connector Prop	KD-1006	4	8-114x	MZ302400			
8-47	ZW273778	M3 Earth Lug		1				RX-15	1
8-48	MZ397080	Spring Hanger	KD-1010	2	8-115	EJ368785	14P Multi-Jack 3250-014-001	31-4-4	1
8-49	ZW323728	Screw, binding head 3x5		4	8-116x	MH487890	Servo P.C. Board Prop	KH-25-3	2
8-50	MC399521	Counter M-470D	9-1-14	1	8-117		Screw, binding head 3x4		2
8-51	M7397078	Counter Base	KD-1009	1	8-118	EZ397135	Center Frame	KD-15-3	1
	ZW323728			2		STATE OF THE STATE	P.C. Board Prop	KD-24 4	3
8-52		시 12 12 15 15 조계를 하고 있습니다. 소리 회장에는 지어가 되고 있는 것이다. 점이 나타를 받는	KH-2059	1	8-120	EC348704	Elect./C. 2200 µF 35WV		
8-53	MZ512133	그 보다 그들이 시작하고 없는 사람이 사용되다. [212] 하는 사람들은 살이 살아보고 있어 있다.	A SA		5,20	20370/04		01.10-0	
8-54	MZ250413		RC-127	2	0	MZAGOGG	(Lug type)		1
8-55	ES250064	Micro Switch V-1A44 U/L	25-1-7	2	8-121	MLZ4/2858	Connector Plate	KH 34.4	1
8-56	ZW439514			2			되었다. 항상 5차 하다. 회사는 이 나는다.		
8-57	ZW323728	Screw, binding head 3x5		2	8-122	EJ378944	U/L AC Socket S-I 9122	31-i-p	1
8-58	EC273464	$MP/C. 0.1 \mu F(M) 350WVDC$			8-123	EZ382263	Strain Relief SR-4K-4	2-7-1	1
		(Tub. type)	24-9-4	1	8-124x	EZ246936	Strain Relief SR-6W-1 (3 core)	2-7-8	1
8-59	ZW422965	Screw, pan head 3x15		2	8-125	EZ374894	U/L AC Cord 3M	26-3-)	1
							홍글 돌아 한글 중요로 하는 편하다.		

Ref. No.	Parts No.	Description	Schematic C	'ty
8-126x	EZ315448	Australia Cord	26-3-11	1
8-127	EJ205975	Cramp Terminal 1-SD	32-1-7	9
8-128	EZ397124	Cycle Change Switch Plate B	KD-1055	1
8-129x	ZW201150	Screw, truss head 3x6(black)		6
8-130x	ZW374128	Iso Screw, truss head 3x8		
		(black)		2
8-131x	ZW447761	Tapping Screw #2 3x6(BR)		
		(black)		4
8-132	EJ326430	11P Short Plug A	42-1-25	1
8-133	MS408497	Switch Lever Shaft	KD-1080	1
8-134	ML409083	Micro Switch Lever	KD-1081	2
8-135	ZW259683	Washer (Nylon)D3x5x1t		11.
8-136x	ZW270088	E'Ring 1.9M	6-1-9	1
8-137	ML492906	Shut-off Lever B, w/metal	KD-1052	1
8-138	MZ473073	Sensing Collar	KH-1030	1
8-139	ZW492063	Insulator Washer	KH-2056	1
8-140	MZ473051	Sensing Top	KH-1028	1
8-141	HZ317632	Insulator Collar A	MR-36	1
8-142	ZW273633	M2.3 Earth Lug		1
8-143	ZW484828	Screw, binding head 2.3x25		1
8-144	ZG409015	Tension Arm Spring C	KD-1079	1
8-145x	ZW290283	'U' Ring 2.85M	6-1-1	1
8-146	ZG407575	Shifter Lever Spring	KD-1078	1
8-147	MZ317406	Brake Band Guide, w/base	MR-120	2
8-148	ZW323728	Screw, binding head 3x5		4
8-149x	MP424023	Pinch Roller (KD)	K1) -1084	i
8-150	SZ397517	Corner Angle A (left)	KD-6003A	-1
8-151	SZ397528	Corner Angle B (right)	KD-6003B	1
8-152	SZ473725	Mech. Panel Reinforcement		
		Plate	KH-1004	2
8-153	ZW413741	Screw, binding head 3x8		- 8
8-154	MZ514653	Plunger Joint B, w/pin	KH-2060	1.
8-155	SZ473681	Side Chassis A, w/angle (right)	KH-6010A	1
8-156	SZ473692	Side Chassis B, w/angle (left)	KH-6010B	1
8-157x	ZW290248	U type Speed Nut M4 #1		
		(small)	6-3-1	6
8-158	ZW290250	U type Speed Nut M4 #1		
		(large)	6-3-2	10
8-159x	ZW200610	Tapping Screw 4x12(truss)		6

FIG. 9 PHOTO OF TAPE SPEED SWITCH P.C. BOARD (KH-2011)

FIG. 10 PHOTO OF COIL P.C. BOARD (KD-1097)





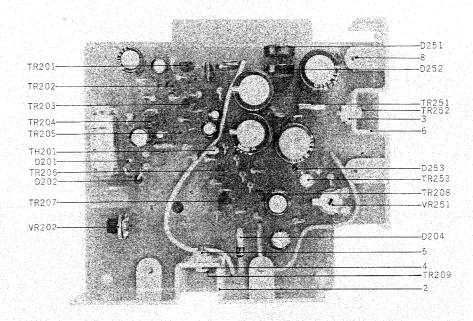
TAPE SPEED SWITCH P.C. BOARD (KH-2011) BLOCK

Symbol No.	Parts No.	Description	Q'ty
9-1 x	BA482387	Tape Speed Switch P.C. Board Comp. (KH-2011)	1
9-L1	EO243977	Ferri Inductor FL7H (MH(J)	1
9-L2, 3		Ferri Inductor FL7H 2.2MH(J)	2
9-L4	EO243977	Ferri Inductor FL7H 1MH(J)	1
9-SW1	ES472645	Push Switch SPM025N	1
		Capacitor, Vertical Type	
9-C1	EC379157	Mylar 0.033 µF(I) 50WV	1
9-C2	EC389485	Mylar 0.018µF(J) 50WV	1
9-C3	EC379157	Mylar 0.033 µF(J) 50WV	1
9-C4	EC368335	Mylar 0.022 \(\mu \) F(J) 50WV	1
9-C5	EC250975	Mylar 0.015 \(\mu \) F(J) 50WV	1
9-C6	EC411827	Mylar 0.0082 µF(J) 50WV	1
9-C7	EC379157	Mylar 0.033 µF(J) 50WV	1
9-C8	EC389485	Mylar 0.018µF(J) 50WV	1
9-C9	EC379192	Mylar 0.039 µF(J) 50WV	1
9-C10	EC250975	Mylar 0.015 µF(J) 50WV	- 1
9-C11	EC368335	Mylar 0.022 µF(J) 50WV	1
9-C12	EC350875	Mylar 0.001 μF(J) 50WV	1
9-C13	EC329848	Hi-Q 100PF(J) 50WV	1
9-C14	EC350875	Mylar 0.001 µF(J) 50WV	1
9-C15	EC329848	Hi-Q 100PF(J) 50WV	1
9-C16	EC411827	Mylar 0.0082µF(J) 50WV	1
		Resistor, Stopper Type	
9-R1	ER362441	Carbon $RD1/41.8k(J)$	1
9-R2	ER399060	Carbon RD1/4 9.1k(J)	1
9-R4	ER399060	Carbon RD1/4 9.1k(J)	1
9-R6	ER362441	Carbon RD1/4 1.8k(J)	1
		想到,这就是我们的一个说话说,这是是这个一个一个一种,我们就是这个人的。""我们的,我们就是这个人的,我们就是这个人的。""我们是这个人,我们是这个人,我们是	

COIL P.C. BOARD (KD-1097) BLOCK

Symbol Parts No.	Description Q'ty
	Coil P.C. Board Comp. (KD-1097)
10-L1 EO403446	Variable Coil VI2031 SC-01
10-2x EZ495843	Coil Retaining Angle 1
10-3x ZW413155	Screw, binding head 3x6 2

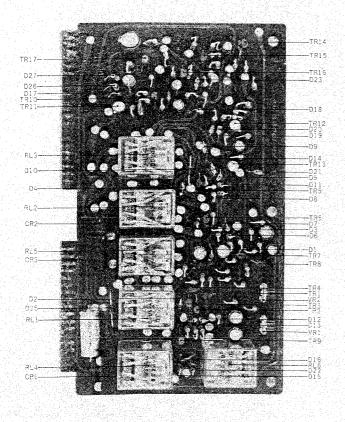
FIG. 11 PHOTO OF SERVO P.C. BOARD (KH-1011)



SERVO P.C. BOARD (KH-1011) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
11-1x	BA482332	Servo P.C. Board Comp.		11-C210	EC424080	Styrol 0.051 μF(F) 50WV	
		(KH-1011	1			(Tib. type)	. 1
11-TR201	ET379462	Transistor 2SC711(D)(E)	1	11-C211	EC438524	Mylar 0.27μF(H) 100WV	1
11-TR202	ET356984	Transistor 2SA564(R)	1	11-C213	EC220994	Elect. 10 µF 25WV	. 1
11-TR203, 4	ET379462	Transistor 2SC711(D)(E)	2	11-C215	EC368280	Solid Aluminum 33 µF 6.3WV	1
11-TR205	ET356984	Transistor 2SA564(R)	1	11-C216	EC220151	Elect. 100 µF 25WV	1
11-TR206	ET398777	Transistor 2SC711(G)(F)	1	11-C251, 2	EC403468	Elect. 330 µF 50W V	. 2
11-TR207	ET379462	Transistor 2SC711(D)(E)	1	11-C253	EC372148	Elect. 220 µF 35WV	1
11-TR208	ET399936	Transistor 2SC945(R)(S)	1	11-C254	EC331817	Elect. 470 µF 25WV	1
11-TR209	ET403042	Transistor 2SD234(Y)	1	11-C255	EC350684	Elect. 22 µF 25WV	1
11-TR251	ET408971	Transistor 2SC1013	1	11-C257	EC450281	Elect. 0.47 µF 50WV	1
11-TR252	ET403042	Transistor 2SD234(Y)	1			내내의 대통 기급 경기 등을 가는데 하다.	
11-TR253	ET391138	Transistor 2SC968(3)(4)	1			Resistor, Stopper Type	
11-D201, 2	ED224526	Silicon Diode 10D1	2	11-R201	ER336442	Carbon RD1/4 10k(J)	1
11-D204	ED224526	Silicon Diode 10D1	1	11-R202	ER362441	Carbon RD1/4 1.8k(J)	1
11-D251	ED329130	Silicon Diode 10DC-1(black)	1	11-R203	ER357456	Carbon RD1/4 2.2k(J)	1
11-D252	ED329128	Silicon Diode 10DC-1(red)	1	11-R204	ER212264	Carbon RD1/4 22k(J)	1
11-D253	ED384096	Zener Diode RD-9A	1	11-R205, 6, 7	ER336442	Carbon RD1/4 10k(J)	3
11-TH201	ED321390	Thermister 41D26	1	11-R208	ER361642	Carbon RD1/4 47(J)	1
11-VR202	EV498060	Semi-fixed Volume V10K8-1-5		11-R209		Carbon RD1/4 100k(J	1
		2k B(4US) 1	11-R210	ER357456	어디 아이들 아이들 아이들이 가장하는 것은 것이다. 첫 살아가 하는 것이 없는데 하다 되었다.	1
11-VR251	EV484863	Semi-fixed Volume V10K8-4-2		11-R211		Carbon RD1/4 330(J)	- 1
		1k I		11-R212	ER403187		1
11-2	EZ407586	Heat-sink Plate B	1	11-R213	ER403097	Carbon RD1/4P 9.1k(7)	
11-3	ZW392940	Insulator Washer 1 G-473025-1				(P type)	.1
11-4	ZW421806		2	11-R214	ER212883	Carbon RD1/4 4.7k(J)	. 1
11-5	ZW273756	사람들은 아이들 아이들 것이다. 그는 그는 그는 그는 그들은 아이들이 되었다면 하는 것이다.	4	11-R217	ER306887		1
11-6	EZ474017	Heat-sink Plate	ı	11-R218		Carbon RD1/4 4.7k(J)	1
11-3 11-7x	ZW413155		2	11-R219		Carbon RD1/4 2.2k(J)	- Î
11-77	ZW413741	TO SHELLER LEGISLATED THE TEST SHOULD A STORY SHOULD	$\frac{1}{2}$	11-R220	ER211667		
11-8 11-9x		M3 Toothed Lock Washer	1	11-R221	ER213030	사람들이 살아보다 그 사람이 얼마를 가면 살아 살아 살아 들어 살아 살아 들어 먹었다.	100
11-10x	EZ473400	Servo P.C. Board Collar	2	11-R222, 3	ER357456		2
11-10X 11-11X		Screw, binding head 3x6	2	11-R224, 5		Carbon RD1/4 1k(J)	2
11-11%	211713133	Gerew, binding near 200		11-R226		Carbon RD1/4 10(J)	1
		Capacitor, Vertical Type		11-R227		Carbon RD1/4 15k(J)	
	EC398957	Mylar 0.1 μ F(M) 50WV	1	11-R228		Carbon RD1/4 51(J)	
11-C201	EC251190	Mylar 0.056 µF(K) 50WV	1	11-R229		Carbon RD1/4 470(J)	1
11-C202	EC331705	Elect. 22 µF 16WV	Ī	11-R251		Carbon RD1/4 470(3)	1
11-C203		Mylar 0.0039 μ F(J) 50WV	1	11-R251			1
11-C204	EC379787	지수는 문문 전에 살아가는 그들이 가지만 하는데, 하는 사람들이 하지만 하는데 그리고 있다.		District and the State of the State of		Carbon RD1/4 330(J)	1
11-C205	EC320051	Elect. 10µF 16WV	1	11-R253		Carbon RD1/4 2.7k(I)	1
11-C206	EC250661	Mylar 0.0015 μF(K) 50WV	1	11-R254		Carbon RD1/4 2.2k(J)	1
11-C207	EC220151	Elect. 100 µF 25WV	1	11-R255		Carbon RD1/4 1.2k(J)	1
11-C208	EC350684	Elect. 22 µF 25WV	1	11-R256 11-R257	ER447682	Solid RC1/2 47(J)	1
11-C209	EC329850	VFM 220PF(J) 50WV	. 1	11-0/23/	ER34/038	Carbon RD1/4 270(J)	1
process was the first the Parkers	Compared to Contract the	出版 sandaren di 各种的作品或是用"是一品品"的数据的 在某作文。					

FIG. 12 (A) PHOTO OF SYS. CON. P.C. BOARD (KH-1009)



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No.	Parts No.	Description	Q'ty
12-1x	BA482365	Sys. Con. P.C. Board Comp.	
		(KH-1009)	1
12-TR1 to 10	ET398711	Transistor 2SC945(Q)(R)	10
12-TR11 to 13	ET338894	Transistor 2SC968(3)	3
12-TR14 to 17	ET398711	Transistor 2SC945(Q)(R)	4
12-D1 to 4	ED224526	Silicon Diode 10D1	4
12-D5 to 9	ED219464	Germanium Diode 1N34A	5
12-D10	ED224526	Silicon Diode 10D1	1
12-D11 to 14	ED219464	Germanium Diode 1N34A	4
12-D15 to 17	ED224526	Silicon Diode 10D1	3
12-D18 to 21	ED219464	Germanium Diode 1N34A	4
12-D22	ED224526	Silicon Diode 10D1	1
12-D23	ED219464	Germanium Diode 1N34A	1
12-D25	ED224550	Silicon Diode 10D4	1
12-D26, 7	ED219464	Germanium Diode IN34A	2
12-RL1 to 6	EP344136	Relay MY4-0-US-AD4-24V	6
12-CR1 to 3	ER376424	Spark Quencher U/L	
		0.1 μ+120 500WV	3
12-VR1	EV426936	Semi-fixed Volume V10K-5	
		30k B	1
12-VR2	EV221826	Semi-fixed Volume V10K-5	
		10k B	1

12-012, 3, 4	EC450055	Elect. I μ F 25W V	- 3
12-C16	EC273464	MP 0.1 μF(M) 350WVDC	
		(Tub. type)	1
12-C17	EC220432	Elect. 2.2 µF 25WV	1
12-C19	EC220151	Elect. 100 µF 25WV	1
12-C20	EC250885	Mylar 0.01 µF(K) 50WV	1
		Resistor, Stopper Type	
12-R1	ER211465	Carbon RD1/4 1k(J)	1
12-R2	ER362485	Carbon RD1/4 330k(J)	1
12-R3	ER336442	Carbon RD1/4 10k(J)	1
12-R4, 5	ER212883	Carbon RD1/4 4.7k(J)	2
12-R6	ER362485	Carbon RD1/4 330k(J)	1
12-R7	ER212883	Carbon RD1/4 4,7k(J)	1
12-R8	ER211465	Carbon RD1/4 1k(J)	1
12-R9	ER212883	Carbon RD1/4 4.7k(J)	1
12-R10	ER357456	Carbon RD1/4 2.2k(J)	1
12-R11	ER343078	Carbon RD1/4 2.7k(J)	1
12-R12	ER212883	Carbon RD1/4 4.7k(J)	1
12-R13	ER357456	Carbon RD1/4 2.2k(J)	1
12-R14	ER343078	Carbon RD1/4 2.7k(J)	1
12-R15, 6	ER357535	Carbon RD1/4 39k(J)	2
12-R17	ER212264	Carbon RD1/4 22k(J)	1
12-R18	ER212883	Carbon RD1/4 4.7k(J)	1
12-R19	ER212264	Carbon RD1/4 22k(J)	1
12-R20, 1	ER362485	Carbon RD1/4 330k(J)	2
12-R22, 3	ER357535	Carbon RD1/4 39k(J)	2
12-R24, 5	ER212883	Carbon RD1/4 4.7k(J)	2
12-R26	ER357456	Carbon RD1/4 2.2k(J)	1
12-R27	ER343078	Carbon RD1/4 2.7k(J)	1
12-R28, 9	ER391623	Metal Oxide Film 1W 1k(K)	2
12-R30	ER357456	Carbon RD1/4 2.2k(J)	1
12-R31	ER213300	Carbon RD1/4 680(J)	1
12-R32	ER306843	Carbon RD1/4 1.2k(J)	1
12-R33	ER213300	Carbon RD1/4 680(J)	1
12-R34	ER211667	Carbon RD1/4 100(J)	1
12-R35, 6	ER212883	Carbon RD1/4 4.7k(J)	2
12-R37, 8	ER213030	Carbon RD1/4 5.6k(J)	2
12-R39	ER357412	Carbon RD1/4 220(J)	. 1
12-R40	ER212883	Carbon RD1/4 4.7k(J)	1
12-R41	ER211465	Carbon RD1/4/1k(J)	1
12-R42	ER213030	Carbon RD1/4 5.6k(J)	1
12-R43	ER211465	Carbon RD1/4 1k(J)	1
12-R44	ER212264	Carbon RD1/4 22k(J)	1
12-R45	ER343078	Carbon RD1/4 2.7k(J)	1
12-R46	ER212883	Carbon RD1/4 4.7k(J)	. 1
12-R47, 8, 9	ER212264	Carbon RD1/4 22k(J)	3
12-R50, 1	ER212883	Carbon RD1/4 4.7k(J)	2
12-R52, 3	ER212264	Carbon RD1/4 22k(J)	
12-R52, 3	ER212284		2
12-R54 12-R55	ER212883 ER346601	Carbon RD1/4 4.7k(J)	1
12-R55 12-R56, 7	ER346601 ER212264	Carbon RD1/4 47k(J)	1
12-R56, 7 12-R58		Carbon RD1/4 22k(J)	2
14-1030	ER493110	Carbon RD1/4 2.2k(J)	1

Symbol No.

12-C1 to 4

12-C10, 11

12-C12, 3, 4

12-C5

12-C6

12-C7

12-C8

Parts No.

EC220612

EC350684

EC220994

EC308711

EC220994

EC220994

EC450055

Description

Capacitor, Vertical Type

Mylar 0.047 µF(K) 50WV

Elect. $33 \mu F 25WV$

Elect. $22 \mu F$ 25WV Elect. $10 \mu F$ 25WV

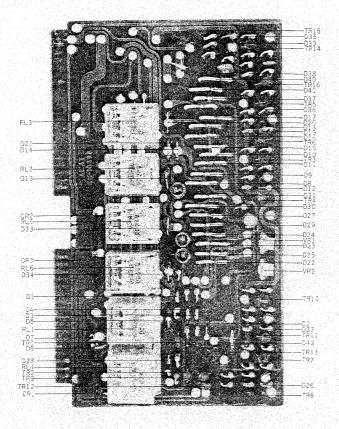
Elect. 10 µF 25WV

Elect. 10 µF 25WV

Elect. 1 µF 25WV

Q'ty

FIG. 12 (B) PHOTO OF SYS. CON. P.C. BOARD (KH-1039)

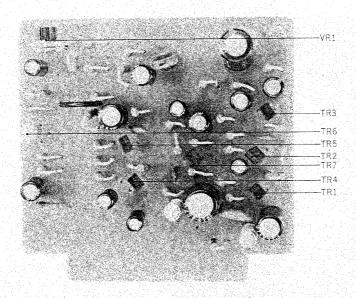


Symbol No.	Parts No.	Description	Q'ty
(1) 이 시간 (1) (1) - (1) 이 생기 (1) (1) (1)		Capacitor, Vertical Type	
12-C1, 2	EC450527	Elect. 4.7 µF 25WV	2
12-C3 to 5	EC456041	Elect. 33 µF 25WV	3 -
12-C6	EC273464	MP 0.1 µF (M) 350WVDC	
		(Tubuar type)	1
12-C7 to 10	EC220432	Elect. 2.2 µF 25WV	- 4
12-C11	EC220994	Elect. 10 µF 25WV	1.
12-C12	EC336126	Elect. 47 µF 25WV	1
12-C13	EC251190	Mylar 0.056 µF (K) 50W V	1
12-C14	EC251087	Mylar 0.022μF (K) 56W V	1
		Resistor, Stopper Type	
12-R1	ER211757	Carbon RD1/4 100k (I)	1
12-R2, 3	ER320207	Carbon RD1/4 47k (J)	2
12-R4	FR211465	Carbon RD1/4 1k (I)	11

SYS. CON. P.C. BOARD (KH-1039) BLOCK

and the second of the second o	ガル ぶんだいも なったんがん	그는 얼마가 하다면 하고 있는 것이 생활을 만하고 하다는 살이 있다는 것이 되었다.				201201111211	.
Symbol	Parts No.	Description	Q'ty	12-R4	ER211465	Carbon RD1/4 1k (J)	1
No.		물로 개발하는 생물하다. 이 얼마를 되었다. 그리		12-R5, 6, 7	ER212883	Carbon RD1/4 4.7k (J)	. 3
12-2x	BA515520	Sys. Con. P.C. Board (KH-1039) 1	12-R8	ER429996	Carbon RD1/4 470k (i)	1
12-TR1	ET515722	Transistor 2SC711 (D)(E)(F)	1	12-R9	ER346601	Carbon RD1/4 47k (J	1
12-TR2	ET515700	Transistor 2SA628 (D)(E)(F)	1	12-R10 to 12	ER212883	Carbon RD1/4 4.7k (J)	3
12-TR3	ET515722	Transistor 2SC711 (D)(E)(F)	1	12-R13	ER211465	Carbon RD1/4 1k (J)	1
12-TR4	ET515733	Transistor 2SC945 (P)(Q)(R)(S) 1	12-R14	ER336442	Carbon RD1/4 10k (J)	1
12-TR5	ET515722	Transistor 2SC711 (D)(E)(F)	1	12-R15	ER212883	Carbon RD1/4 4.7k (J)	. 1
12-TR6	ET515733	Transistor 2SC945 (P)(Q)(R)(S) 1	12-R16	ER211465	Carbon RD1/41k(J)	1
12-TR7, 8	ET515722	Transistor 2SC711 (D)(E)(F)	2	12-R17, 8	ER212883	Carbon RD1/4 4.7k (J)	2
12-TR9	ET515700	Transistor 2SA628 (D)(E)(F)	11.	12-R19	ER211465	Carbon RD1/4 1k (J)	1
12-TR10, 1	ET515722	Transistor 2SC711 (D)(E)(F)	2	12-R20	ER336442	Carbon RD1/4 10k (J	1
12-TR12	ET515700	Transistor 2SA628 (D)(E)(F)	I .	12-R21	ER212883	Carbon RD1/4 4.7k (J)	1
12-TR13	ET515880	Transistor 2SA696 (C)(D)	1	12-R22	ER211465	Carbon RD1/4 1k (J)	1
12-TR14	ET515722	Transistor 2SC711 (D)(E)(F)	1	12-R23, 4	ER212883	Carbon RD1/4 4.7k (J)	2
12-TR15	ET515700	Transistor 2SA628 (D)(E)(F)	1	12-R25	ER211465	Carbon RD1/4 1k (J)	1
12-TR16	ET515722	Transistor 2SC711 (D)(E)(F)	1	12-R26	ER336442	Carbon RD1/4 10k (J	1
12-D1 to 4	ED514721	Silicon Diode WG-599	4	12-R27	ER212883	Carbon RD1/4 4.7k ()	1
12-D5	ED224526	Silicon Diode 10D1	1	12-R28	ER211465	Carbon RD1/4 1k (J)	1
12-D6, 7	ED224550	Silicon Diode 10D4	2	12-R29 to 31	ER212883	Carbon RD1/4 4.7k ()	. 3
12-D8 to 12	ED514721	Silicon Diode WG-599	5	12-R32	ER211465	Carbon RD1/4 1k (J)	1
12-D13	ED224526	Silicon Diode 10D1	1	12-R33	ER336442		1
12-D14 to 19	ED514721	Silicon Diode WG-599	6	12-R34	ER212883		1
12-D20	ED224526	Silicon Diode 10D1	1	12-R35	ER211465	Carbon RD1/4 1k (J)	1
12-D21 to 27	ED514721	Silicon Diode WG-599	7	12-R36	ER304290	Carbon RD1/4 10 (J)	1
12-D28	ED224526	Silicon Diode 10D1	- 1	12-R37	ER336442	Carbon RD1/4 10k (J)	1
12-D29 to 32	ED514721	Silicon Diode WG-599	4	12-R38	ER399723	한 사고 방송하다 전하는 경기를 가려지는 사람들이 되는 것 같아.	1
12-D33, 34	ED224526	Silicon Diode 10D1	2	12-R39, 40	ER212883		2
12-D35 to 42	ED514721	Silicon Diode WG-599	8	12-R41	ER211464	Carbon RD1/4 1k (J)	1
12-RL1 to 6	EP344136	Relay MY4-O-US-AD4-24V	6	12-R43	ER336442	사람들은 이번 사람들이 얼마나 되는 사람들이 가장하는 것이 되었다. 그 사람들이 되었다.	1
12-CR1 to 3	ER376424	Spark Quencher 0.1 \mu + 120		12-R44	ER212883		1
		500WV	3	12-R45	ER346601	Carbon RD1/4 47k (J)	1
12-VR1, 2	EV513562	Semi-fixed Volume V10K8-1-5		12-R46, 7	ER211465		2
		100k B 4US	2	12-R48	ER336442	Carbon RD1/4 10k (J)	1

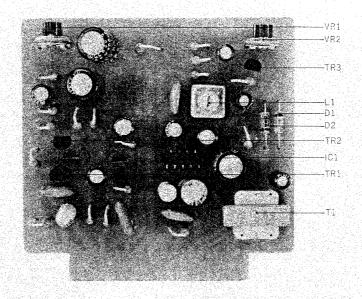
FIG. 13 PHOTO OF REC. AMP. P.C. BOARD (KH-5013)



REC. AMP. P.C. BOARD (KH-5013) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
13-1x	BA482490	Rec. Amp. P.C. Board Comp.				Resistor, Stopper Type	
		(KH-5013)	1	13-R1	ER336442	Carbon RD1/4 10k(J)	1
13-TR1, 2	ET234843	Transistor 2SC458LG(B)(C)	2	13-R2, 3	ER383758	Carbon RD1/4 180k(J)(noiseless)	2
13-TR3	ET329242	Transistor 2SC454(C)	1	13-R4	ER349942		1
13-TR4	ET234843	Transistor 2SC458LG(B)(C)	1	13-R5	ER212681	Carbon RD1/4 330(J)	1
13-TR5	ET329242	Transistor 2SC454(C)	1	13-R6	ER342933	Carbon RD1/4 27k(J)	1
13-TR6	ET338894	Transistor 2SC968(3)	1	13-R7, 8	ER346994	Carbon RD1/4 18k(J)	2
13-TR7	ET234832	Transistor 2SC458LG(B)	1	13-R9, 10	ER212477	Carbon RD1/4 3.3k(J)	2
13-VR1	EV221826	Semi-fixed Volume V10K-5 10k B	1	13-R11	ER336442	Carbon RD1/4 10k(J)	1
		무실하다 가는 사람들이 가지 않는데 없다.		13-R12	ER383758	Carbon RD1/4 180k(J) (noiseless)	1
		Capacitor, Vertical Type		13-R13	ER346601	Carbon RD1/4 47k(J)	1
13-C1	EC220612	Elect. 33 µF 25WV	1	13-R14	ER211858	Carbon RD1/4 12k(J)	1
13-C2	EC432810	Elect. 10 µF 16WV(noiseless)	1	13-R15	ER211465	Carbon RD1/4 1k(J)	1
13-C3	EC290586	VFM 470PF(K) 50WV	1	13-R16	ER352045	Carbon RD1/4 3.9k(J)	1
13-C4	EC220465	Elect. 22 μF 6.3WV	1	13-R17, 8	ER213030	Carbon RD1/4 5.6k(J)	2
13-C5	EC487394	VFM 47PF(K) 50WV	1	13-R19	ER450011	Carbon RD1/4 120k(J)	1
13-C6	EC329771	Elect. 47 μF 6.3WV	1	13-R20	ER213467	Carbon RD1/4 820(J)	1
13-C7	EC350684	Elect. 22 µF 25WV	1	13-R21		Carbon RD1/4 100k(J)	1
13-C8	EC220678	Elect. 47μF 25WV	1	13-R23	ER352045	Carbon RD1/4 3.9k(J)	1
13-C9	EC432810	Elect. 10 µF 16WV(noiseless)	1	13-R24	ER362441	Carbon RD1/4 1.8k(J)	1
13-C10	EC250604	Mylar 0.001 µF(K) 50WV	1	13-R25	ER363644	Carbon RD1/4 560(J)	1
13-C11	EC220994	Elect. 10 µF 25WV	l	13-R26	ER342933	Carbon RD1/4 27k(J)	- 1
13-C12	EC220465	Elect. 22 µF 6.3WV	1	13-R27	ER361528	Carbon RD1/4 56k(J)	1
13-C13	EC220151	Elect. 100 µF 25WV	1	13-R28	ER212264	Carbon RD1/4 22k(J)	1
13-C14	EC320051	Elect. 10µF 16WV	1	13-R29	ER380755	Carbon RD1/4 6.2k(J)	1
13-C16	EC220465	Elect. 22 µF 6.3WV	1	13-R30	ER212681	Carbon RD1/4 330(J)	1
13-C17	EC487394	VFM 47PF(K) 50WV	1	13-R31	ER211858	Carbon RD1/4 12k(J)	1
13-C18	EC320040	Elect. 47 µF 16WV	1	13-R32	ER352045	Carbon RD1/4 3.9k(J)	1
13-C19	EC302253	Mylar 0.15μF(K) 50WV	1	13-R33	ER211465	Carbon RD1/4 1k(J)	1
13-C20	EC220994	Elect. 10 µF 25WV	1	13-R34	ER349784	Carbon RD1/4 390(J)	1
13-C23	EC320051	Elect. 10 µF 16WV	1	13-R35	ER212477	Carbon RD1/4 3.3k(J)	1
13-C24	EC220994	Elect. 10 µF 25WV	1				
13-C25	EC423562	VFM 470PF(J) 50WV	1			가능하다 마음하는 것은 가능하는 것을 받는데 있다. 다른 사람들이 가는데 그 것은 것이 있는데 되었다.	

FIG. 14 PHOTO OF P.B. AMP. P.C. BOARD (KH-5014)

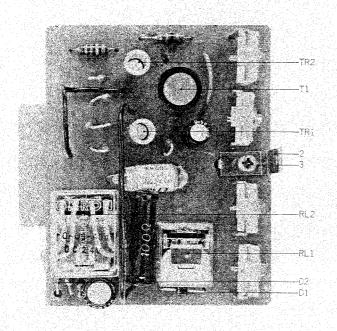


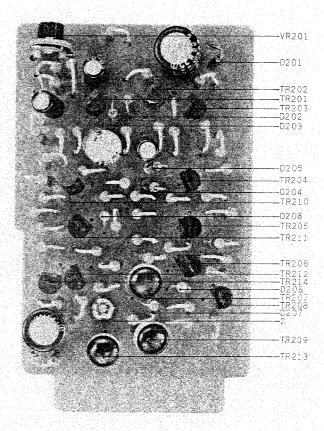
P.B. AMP. P.C. BOARD (KH-5014) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
14-1x	BA482501	P.B. Amp. P.C. Board Comp.		14-C15	EC290564	VFM 220PF(K) 50WV	1
		(KH-5014) 1	14-C16	EC220364	Elect. 100 µF 6.3WV	1
14-IC1	EI412413	Line Amp. I.C. LD-3141	1	14-C17	EC220994	Elect. 10 µF 25WV	1
14-TR1, 2	ET399868	Transistor 2SC871(F)	2	14-C18	EC450055	Elect. 1 µF 25WV	1
14-TR3	ET398711	Transistor 2SC945(Q)(R)	Í	14-C19	EC320051	Elect. 10 µF 16WV	1
14-D1, 2	ED219464	Germanium Diode 1N34A	2	14-C20	EC450055	Elect. 1 μF 25WV	1.
14-T1	BT247768	Head Phone Trans. N19-5921S	1				
14-L1	EO262484	DM Coil 10MH	1			Resistor, Stopper Type	
14-VR1	EV221850	Semi-fixed Volume V10K-5 20k H	3 1	14-R1, 2	ER427083	Carbon RD1/4 330k(J)(noise less)	2
14-VR2	EV398812	Semi-fixed Volume V10K-5 5k B	1	14-R3	ER336442	Carbon RD1/4 10k(J)	1
				14-R4	ER212681	Carbon RD1/4 330(J)	1
		Capacitor, Vertical Type		14-R5	ER357570	Carbon RD1/4 150k(J)	1.
14-C1	EC432810	Elect. 10 µF 16WV (noiseless)	1	14-R6	ER342933	Carbon RD1/4 27k(J)	1
14-C2	EC220678	Elect. 47 µF 25WV	1	14-R7	ER212883	Carbon RD1/4 4.7k(J)	1
14-C3	EC290586	VFM 470PF(K) 50WV	1	14-R8	ER212477	Carbon RD1/4 3.3k(J)	1
14-C4	EC329771	Elect. 47 µF 6.3WV	1	14-R9	ER336442	Carbon RD1/4 10k(J)	1
14-C5	EC377212	VFM 47PF(J) 50WV	1	14-R10	ER380711	Carbon RD1/4 220k(J)	1
14-C6	EC329771	Elect. 47µF 6.3WV	1	14-R11	ER349907	Carbon RD1/4 33k(J)	1
14-C7	EC429851	VFM 680PF(J) 50WV	1	14-R12	ER212883	Carbon RD1/4 4.7k(J)	1
14-C8	EC250841	Mylar 0.01 μF(J) 50WV	1	14-R13	ER304402	Carbon RD1/4 470(J)	1
14-C9	EC220994	Elect. 10 µF 25WV	1	14-R14	ER336442	Carbon RD1/4 10k(J)	1
14-C10, 1	EC220151	Elect. 100 μF 25WV	2	14-R15	ER212264	Carbon RD1/4 22k(J)	1
14-C12	EC432810	Elect. 10 µF 16WV(noiseless)		14-R16	ER429996	Carbon RD1/4 470k(J)	1
14-C13	EC290564	VFM 220PF(K) 50WV	1	14-R17, 8	ER357456	Carbon RD1/4 2.2k(J)	2
14-C14	EC329771	Elect. 47µF 6.3WV	1			고급하다 하면 있는 사람들은 사람들이 되었다.	

FIG. 15 PHOTO OF OSC. P.C. BOARD (KH-5015)

FIG. 16 PHOTO OF COM DETECTOR P.C. BOARD (RD-A514)





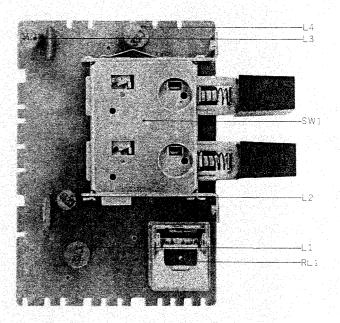
OSC. P.C. BOARD (KH-5015) BLOCK

COM DETECTOR

Symbol	Parts No.	Description	Q'ty		P.C. 1	BOARD (RD-A514) BL	OCK
No.	raits ivo.		ν.,	Symbol	Parts No.	Description	Q'ty
15-1×	BA482512	OSC, P.C. Board Comp. (KH-5015) 1	No.			
15-TR1, 2	ET304255	Transistor 2SC971(2)(3)(red)	2	16-1x	BA482523	COM Detector P.C. Board	
i 5-T1	EO383365	OSC. Coil OT-204	1			Comp. (RD-A514) 1
15-D1, 2	ED224526	Silicon Diode 10D1	2	16-TR201	ET380834	Transistor 2SC711(E)	1
15-RL1	EP383321	Relay TECK-36 DC22V 1000	1	16-TR202,3,4	ET371935	Transistor 2SC711(D)	3
15-RL2	EP344136	Relay MY4-O-US-AD4-24V	1	16-TR205, 6	ET380834	Transistor 2SC711(E)	2
15-2	EZ425226	P.C. Board Retaining Metal	1	16-TR207	ET383466	Transistor CDC9000-1(B)	1
15-3	ZW413155	Screw, binding head 3x6	1	16-TR208	ET380834	Transistor 2SC711(E)	1
15-4x	ZW273756	M3 Nut	1	16-TR209	ET383466	Transistor CDC9000-1(B)	1
				16-TR210, 1	ET371935	Transistor 2SC711(D)	2
		Capacitor, Vertical Type		16-TR212	ET380834	Transistor 2SC711(E)	1
15-C1	EC350684	Elect. 22 µF 25WV	1	16-TR213	ET383466	Transistor CDC9000-1(B)	1
15-C2, 3	EC250841	Mylar 0.01 μF(J) 50WV	2	16-TR214	ET380834	Transistor 2SC711(E)	1
15-C4	EC442080	Plustic Film 4500PF(J) 500WV	1	16-D201	ED321243	Zener Diode 1N759A	1
15-C5 to 8	EC425250	Trimmer A-1P3-3 70PF	4	16-D202 to 8	ED219464	Germanium Diode 1N34A	7
15-C9	EC220151	Elect. 100 µF 25WV	1	16-VR201	EV221837	Semi-fixed Volume V10K-5	
						100k J	В 1
		Resistor, Stopper Type		16-2	ZW201971	Screw, binding head 3x12	1
15-R1	ER426892	Solid RC1/2W 2.4k(J)	1	16-3x	EZ348647	Micro Switch Collar C	1
15-R2	ER251684	Wire-wound 2WL 100(K) (L type)	1	16-4x	EZ473477	COM P.C. Board Mt. Part	1
15-R3,4	ER315944	Carbon RD1/4 3.3(J)	2	16-5x	ZW273756	M3 Nut	1
15-R5	ER212883	Carbon RD1/4 4.7k(J)	1				
15-R6	ER304402	Carbon RD1/4 470(J)	1			Capacitor, Vertical Type	
15-R7	ER455848	Solid RC1/2W 27(J)	1	16-C201	EC220151	Elect. 100 µF 25WV	1
15-R8	ER347038	Carbon RD1/4 270(J)	1	16-C202	EC313108	Elect. 1 µF 50WV	1
15-R9	ER211667	Carbon RD1/4 100(J)	1	16-C203	EC220364	Elect. 100 μF 6.3WV	1
15-R10	ER361642	Carbon RD1/4 47(J)	1	16-C204	EC450281	Elect. 0.47 µF 50WV	1

Symbol No.	Parts No.	Description	Q'ty
16-C205	EC350706	Elect. 4.7 µF 16WV	1
16-C206	EC220127	Elect. 100 µF 16WV	1
10 0200			
		Resistor, Stopper Type	
16-R201	ER363644	Carbon RD1/4 560(J)	1
16-R202	ER346601	Carbon RD1/4 47k(J)	1
16-R203	ER212174	Carbon RD1/4 180k(J)	1
16-R204	ER346601	Carbon RD1/4 47k(J)	1
16-R205	ER306887	Carbon RD1/4 15k(J)	1
16-R206	ER363644	Carbon RD1/4 560(J)	1
16-R207	ER361642	Carbon RD1/4 47(J)	1
16-R208	ER346601	Carbon RD1/4 47k(J)	1
16-R209	ER357456	Carbon RD1/4 2.2k(J)	1
16-R210	ER336442	Carbon RD1/4 10k(J)	1
16-R211	ER357456	Carbon RD1/4 2.2k(J)	. 1
16-R212	ER212264	Carbon RD1/4 22k(J)	. 1
16-R213	ER336442	Carbon RD1/4 10k(J)	1
16-R214	ER361642	Carbon RD1/4 47(J)	1
16-R215	ER212264	Carbon RD1/4 22k(J)	1
16-R216	ER336442	Carbon RD1/4 10k(J)	1
16-R217, 8	ER213030	Carbon RD1/4 5.6k(J)	2
16-R219	ER212264	Carbon RD1/4 22k(J)	1
16-R220	ER361642	Carbon RD1/4 47(J)	1
16-R221	ER336442	Carbon RD1/4 10k(J)	1
16-R222	ER212883	Carbon RD1/4 4.7k(J)	1
16-R223, 4	ER371946	Carbon RD1/4 2k(J)	
16-R225	ER212883	Carbon RD1/4 4.7k(J)	
16-R226	ER336442	Carbon RD1/4 10k(J)	1 1
16-R227	ER212264	Carbon RD1/4 22k(J) Carbon RD1/4 33(J)	
16-R228	ER380913 ER213030	Carbon RD1/4 5.6k(J)	
16-R229, 30	ER212264	Carbon RD1/4 22k(J)	1
16-R231	ER336442	Carbon RD1/4 10k(I)	
16-R232	ER213030	Carbon RD1/4 5.6k(J)	
16-R233 16-R234	ER213030	Carbon RD1/4 22k(J)	1
16-R235	ER361642	Carbon RD1/4 47(J)	1
16-R236	ER336442	Carbon RD1/4 10k(J)	Î
16-R237	ER361642	Carbon RD1/4 47(J)	
16-R238	ER213030	Carbon RD1/4 5.6k(J)	
16-R239	ER212264	Carbon RD1/4 22k(J)	1
16-R239 16-R240	ER336442	Carbon RD1/4 10k(J)	
16-R241	ER212883	Carbon RD1/4 4.7k(J)	
16-R241 16-R242, 3	ER371946	Carbon RD1/4 2k(J)	
16-R244 16-R244	ER212883	Carbon RD1/4 4.7k(J)	1
16-R245	ER362441	Carbon RD1/4 1.8k(J)	1
16-R246	ER349942	Carbon RD1/4 8.2k(J)	i
16-R247	ER357456	Carbon RD1/4 2.2k(J)	1

FIG. 17 PHOTO OF TRACK SELECTOR P.C. BOARD (KH-5011)



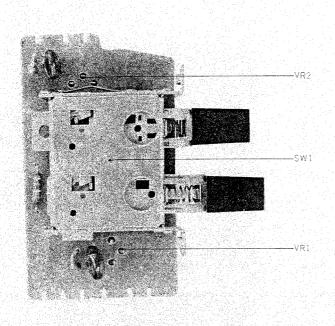
TRACK SELECTOR

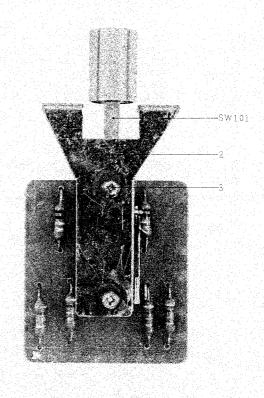
P.C. BOARD (KH-5011) BLOCK

Symbol No.	Parts No.	Description Q	'ty
17-1x	BA482477	Track Selector P.C. Board Corap.	
		(KH5011)	1
17-D1	ED224526	Silicon Diode 10D1	1
17-L1	EO495527	Ferri Inductor FL9H 330 \(\mu H \(\mathred{\psi} \)	1
17-L2, 3	EO424888	Ferri Inductor FL5H 5.6MH()	2
17-L4	EO495527	Ferri Inductor FL9H 330 \(\mu \mathfrak{H} \(\mathfrak{I} \)	1
17-RL1	EP383321	Relay TECK-36 DC22V 1000	1
17-SW1	ES411805	Push Switch UM21620C	1
17-C1, 2	EC337487	Hi-Q Capacitor 470PF(J) 50₩√	2

FIG. 18 PHOTO OF MONITOR SWITCH P.C. BOARD (KH-5012)

FIG. 19 PHOTO OF COM SWITCH P.C. BOARD (RD-525)





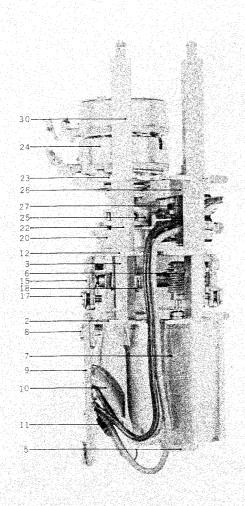
MONITOR SWITCH P.C. BOARD (KH-5012) BLOCK

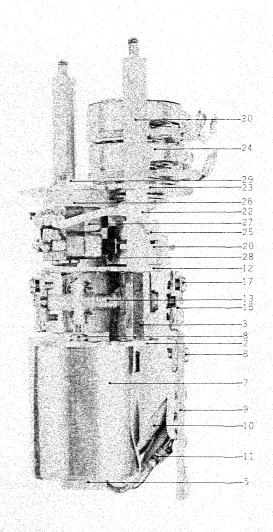
Symbol No.	Parts No.	Description	Q'ty
18-1x	BA482488	Monitor Switch P.C. Board Comp. (KH-5012)	
18-VR1, 2	EV482962	Semi-fixed Volume V-10K5-2-4 5k B, w/knob	2
18-SW1	ES245103	Push Switch UM21220J	1
18-C1, 2	EC389496	Mylar 0.068 µF(J) 50WV	
		(Vert. type)	2
		Resistor, Stopper Type	
18-R1	ER212264	Carbon RD1/4 22k(J)	1
18-R2	ER364994	Carbon RD1/4 39k(J) (Insu. type)	1
18-R3	ER212264	Carbon RD1/4 22k(J)	1

COM SWITCH P.C. BOARD (RD-525) BLOCK

Symbol No.	Parts No.	Description Q'ty
19-1x	BA482455	COM Switch P.C. Board
		Comp. (RD-52.5) 1
19-SW1	ES482872	Push Switch UEG62BP,
		without knob 1
19-2	EZ472490	COM Switch Mt. Part 1
19-3		Screw, round head 2.6x4 2
		Resistor, Insulator Type
19-R101 to 104	ER329308	
19-R105, 6	ER213715	Carbon RD1/4 100k(J) 2

FIG. 20 PHOTO OF COM MECHANISM BLOCK

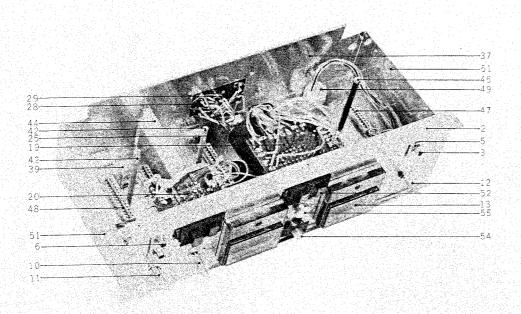


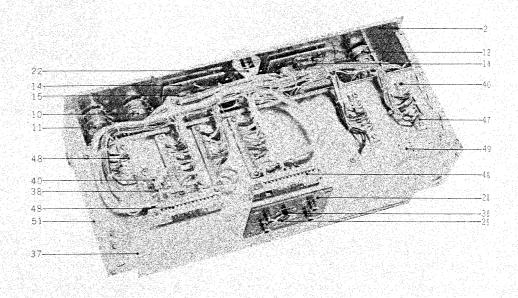


COM MECHANISM BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	S chematic Q	'ty
20-1x	BM482466	COM Mechanism Block Comp	, KH.RDG	1	20-16x	ZW269785	M2.3 Toothed Lock Washer		6
20-2	EZ262181	COM Motor Frame	RD-591	1	20-17	ZW201914	Screw, binding head 2.3x5		4
20-3	EZ262091	COM Prop C	RD-590	3	20-18	MS252887	Main Gear Shaft, w/gear	FRD-585	1
20-4x	ZW200362	Screw, countersunk head 3x5			20-19x	ZW383332	Washer (PBP)D3.1x5x0.1t		. 2
		D≡5		3	20-20	EZ383130	Clutch A, w/pin	1 ₹D-A509	1
20-5	BM250514	Micro Motor FM-36K 108700	53-1-1	1	20-21x	ZW313470	Set Screw 3x6.5(cup)		2
20-6	EZ262023	COM Worm-Gear B	RD-597	1	20-22	EZ262080	COM Prop B	F2.D-578	3
20-7	EZ262067	COM Shield	RD-593	1	20-23	EZ262102	COM Switch Base	₽D-577	1
20-8		Screw, binding head 2.3x5		4	20-24	EV326160	Dual-axial 2-throw/Vol.		
20-9	EA383128	Terminal P.C. Board	RD-A512	1			V24L5G(SP) N12.5R-100kx	3 6-1-5	1
20-10	EC228745	Ceramic/C. YZ 0.1 \(\mu \text{F}(Z) \)			20-25	EZ383141	Clutch B	FZD-A510	1
		50WV	24-5-30	3	20-26	ZW383152	Switch Insulator Washer	F2D-A511	1.
20-11	ER230185	Solid/R, RC1/4W 33(K)	35-5-1	2	20-27	ES250020	Micro Switch S-1AL	≈ 5-1-9	2
20-12	EZ218147	네 가장 사람들이 가지 않는데 이 이번에 있는 그렇게 되었다고 하다.	RD-582	1	20-28	ZW383343	Screw, binding head 2.3x22		2
20-13	MS222693	Sub Gear Shaft, w/gear	RD-584	1	20-29	ZW273690	M2.3 Nut		2
20-14x		Washer (Polyslider)			20-30	MH473488	COM Mt. Prop	⊬CH -5005	3
		D2.05x3.5x0.25t		2	20-31x	EZ262056	COM Rubber Shield	F ≥ D-595	1
20.15	E7119957	Center Plate	RD-583	•		작성된 대통신 다음			

FIG. 21 PHOTO OF AMP. ASSEMBLY BLOCK





AMP. ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	AMP. FRAM	E BLOCK		
21-1x		Amp. Frame Block Comp.	KH	1
21-2		Amp. Chassis A	KH-5001	1
21-3		Mic. Jack 3PMJ4	31-2-36	1
21-4x	ZW482927	Washer (SPC)D9.2x14x0.5t		1 3
21-5	ZW375153	E Jack Nut Mic. Jack 2PMJ4	31-2-35	2
21-6	EJ433844	Nylon Collar, Jack	LD-520	2
21-7x	EZ225180 ZW492884	Washer (Fiber)D9.2x14x0.5t	ED 320	2
21-8x	ER213647	Carbon/R. RD1/4 10k(J)		
21-9x	EK213047	(Insu. type	35-9-5	2
21-10	EV472588	Dual-axial Double/Vol. D24N 50k Ax2 (Line		1
21-11	EV472590	Dual-axial Double/Vol. D24N 100k Ax2 (Mic		1
21-12	EV403661	Double/Vol. (Frictional) DJ20A 10k Ax2 (Line out)		1
21-13	EM472612	VU Meter KL-250B-13	46-1-56	2
21-13	EA472601	Meter P.C. Board	KH-5007	2
21-15	EL295312	No. 2 Lamp 8V 0.2A	28-2-8	4
21-16x	ZG317968	Angle Spring	MR-14	6
21-17x	ZW424495	Washer (SPC)D3.1x8x1t		2
21-18x	ZW348107	M3 Iso Nut		6
21-19	BA482477	Track Selector P.C. Board		是发展
		Comp. (KH-5011		1
21-20	BA482488	Monitor Switch P.C. Board Comp. (KH-5012)	1
21-21x	ZW371856	Iso Screw, binding head 3x5		2
21-21	BA482455	COM Switch P.C. Board		
		Comp. (RD-525)	1
21-23x	ZW323728	Screw, binding head 3x5		2
21-24x		COM Insulator Plate	KH-5029	1.
21-25	BM482466	COM Mechanism Block Comp	KH RDG	1
21-26x	ZW273756	M3 Nut		3
	JACK PLAT	CE BLOCK		
21.22		Jack Plate Block Comp.	KH	1
21-27x 21-28	EJ452046	RDG Line Jack Plate	31-5-43	1
21-28	EJ378990	5P Din-Jack S-I 8123	31-1-1	1
21-30	ES379045	6P Slide Switch SJ-0282	25-3-36	1
21-31x	그렇게 하는 것이 없는 그 얼마나?	Screw, pan head 2.6x5		2
21-32x		M3 Earth Lug		. 1
21-33x		Carbon/R. RD1/4 33k(J)		
		(Insu. type) 35-9-5	2
21-34x	ER213873	Carbon/R. RD1/4 150k(J)		
21.25	ER345712	(Insu. type Carbon/R. RD1/4 22k(J)	35-9-5	2
		(Insu. type) 35-9-5	2
21-36	ER213647	Carbon/R. RD1/4 10k(J)		
		(Insu. type	35-9-5	2
	AMP. ASSE	MBLY BLOCK		
21-37	UM472522	Amp. Chassis B	KH-5002	1
21-38	EA472533	Rec. Relay P.C. Board	KH-5009	
21-39	EP383321	Relay TECK-36 DC22V 1000	47-2-20	1
21-40	ZW447772	Tapping Screw 3x6(BR)		23
21-412	× ZW273778	M3 Earth Lug		4
21-42	MH472544	P.C. Board Retaining Prop	KH-5008	
21-43		Screw, pan head 4x6		2
21-44	EZ472555	Rec. Amp. Shield	KH-5017	1
21-45	MH472566	OSC. Retaining Prop	KH-5022	· 是 15 1 1 1 1 1 1 1 1 1
21-46		Screw, binding head 3x6 10P Multi-Jack 3250-010-00	31-4-21	1 2
21-47	EJ482793 EJ368785	14P Multi-Jack 3250-014-001		6
21-48	EJ368/85 EJ300508	9P Mate-N-Lock Plug Housin		
21-49	1,500,500	1-480274-		1
21-50	x EJ373634	Socket Contact 61115-1	52-1-1	7
21-51	EZ473771	Side Frame	KH-5003	2
21-52	SK474107	Push Knob	KH-5020	4
21-53		Card Retainer A	KH-5018	
21-54	SK436252	Knob B	KF-2019	1
21-55	SK493018	COM Knob	KH-5028	1

FIG. 22 PHOTO OF FINAL ASSEMBLY BLOCK



FINAL ASSEMBLY BLOCK

	Ref.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		MECH PA	NELBLOCK			22.34v	57382230	avana.	DE 4.104	
	22-IV			KH				人名德西西斯 网络人物经济 医乳腺病 经营工事的 编译的过去式和过去分词 医二角性炎	RD-A 404	10.1
			40 프리크를 다 그 중요한다는 것이 되는 것 같은 그는 그는 그리고 함께 다 되는 것 같다.			22 332	211439001	생물이 하는 이야기를 하는 사람들이 없다면 이 가는 그리고 있다.		
						22.36v	7W073756	그는 그 생생님 이 그는 그는 그는 그 그릇이 그는 그들은 살이 살아 들었다. 그는 그는 그 수		
		기점 사람이 되었다면서 가게 하는			 A 5 (2) (2) 					
22-6 SC473578 Head Cover Base KH-9098 1 22-39 SZ377190 LM Rubber Foot LM 400 4 4 4 4 4 4 4 4 4			가는 아니다. 나는 아니는 아이를 모르는 사람이 있는 그 그리고 아니는 아니다.	. 111 .0003						
Page			그러워 하는 말이 살아가 되는 것은 모이들이 없는 것이 되었다면 하는데 되었다.	VIII 2004						
			나타 그렇게 되어 시간에 가장되지 때 뭐라면 되는 말을 하게 되는 것이 되는 것이다.			and the second of the			LW 4104	
Corange Stand Corange Stand			- 1 1 : (1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :	V11-000A			and the second of the second of the second	,我们们也是有数数分别。 1994年,1917年2月1日,1917年2月1日,1918年,19		4
22-10x Z473580 Head Cover Rotation Base KH-6005 1 22-42 SP473703 Sash A (right) KH-6023 1 22-42 SP473703 Sash A (right) KH-6023 1 22-42 SP473703 Sash A (right) KH-6023 1 22-14 Z473714 Sash B (left) KH-6023 1 22-14 Z473714 Z473714 Sash B (left) KH-6023 1 22-14 Z473714 Z47371	22-0	32409320	그는 그렇는 얼마나 아니는 그 그 그 그 그들은 그를 하는 것이 없는데 없다.	61-5023		22-41A	Z W 403371	그 사람들은 그 그 가장 그는 아이들은 이 없었다. 전략 아니고 있다.		
22-10x Z4-1371 Screw, binding head 3x8 2	27.0	97472590			1 13 4 .			4.5X20		4
	100			1011-0000				강의 1일 하는 기가 되는데 그렇게 그리고 있다.		
			그의 없는 점점 되는 이 사용하는 이 그렇지 않아 끝나는 그 사람들이 되어 되었다. 그 사람들이 없는 사람들이 되었다.	V-11 0004			CINAL ACC	YEMBI V DI OCK		
22-13x ZG249107 Ball Retaining Spring RD-632 1 22-43 SP473714 Sash B (left) KH-6023 1 22-44x ZW200384 Screw, countersunk head 3x6 22-15 ZE2426780 Illumination Escutcheon (red) 61-5023 1 22-44x ZW200384 Screw, countersunk head 3x6 22-16 SC473602 Head Cover KH-6008 1 22-46 ZW203084 Screw, countersunk head 3x6 22-16 SC473602 Head Cover KH-6008 1 22-46 ZW203084 Screw, countersunk head 3x8 22-16 ZW243163 Screw, countersunk head 3x8 22-16 ZW243163 Screw, countersunk head 3x8 22-18x SW8473624 Head Cover Shaft KH-6006 1 22-48 ZW203084 Screw, countersunk head 3x8 22-19x ZW243163 Screw, countersunk head 3x8 ZW243163 Screw, hexagon socket ZW482815 Screw, truss head 3x6 (black) ZW482815 Screw, countersunk head 3x8 ZW482657 Set Screw, hexagon socket ZW482815 Screw, countersunk head 3x8 ZW482657 Set Screw, hexagon socket ZW250x ZW259806 Washer (SPC)D4-5x12.sx11 GW2-22-22x ZW482815 Screw, hexagon socket ZW250x ZW259806 Washer (SPC)D4-5x12.sx11 GW2-22-23x ZW482815 ZW487833 Tapping Screw #1 4x50(truss) 4 ZW2-23x ZW4934283 ZW49946 Washer (SPC)D4-5x9.8x0.5t 4 ZW2-23x ZW4934283 ZW49946 ZW2-23x ZW29941 ZW2-23x ZW29941 ZW2-23x ZW29941 ZW2-23x ZW29941 ZW2-23x ZW29941 ZW2-23x ZW29941 ZW2-23x ZW2-2			교육 (요즘 사용 기업을 다시 보는 사람이 있는 것은 사람이 가지 않는다.	KH-0034		22.42			KU 40004	
22-14x ZW383883 Set Screw Sx4(flat) 1 22-44x ZW200384 Screw, countersunk head 3x6 22-15 EZ426780 Illumination Escutcheon (red) 61-5023 1 22-45 ZW408418 Panel Washer KD-6029 2 2 2 2 2 2 2 2 2	1 1 No. 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		그리다 아이는 얼마를 지하는 중심하면 얼마를 하는 것이 살아보고 말하는데 요.	P.D639						
22-15 EZ426780		超速 地 海洋網 指定的人的	경기 회사 회사는 경기가 되었다. 현재 경기 등 프리아스 기계 기계 등 다	ND-032					КН-5О23В	
22-16 SC473602 Head Cover SH-6008 1 22-46 ZW203084 Screw, oval countersunk head 3x8 2 22-17 SM473613 Head Cover Plate KH-6004 1 22-47x ZW201150 Screw, truss head 3x6 (black) 2 22-19x SZ473635 Rolling Sleeve KH-6006 1 22-48 SZ483737 Panel Washer B (black) KD-6029 2 22-20x ZW434160 Set Screw, hexagon socket 22-49 ZW482815 Screw, oval countersunk head 3x8 2 2 2 2 2 2 2 2 2		4年6、福产总统、阿萨拉尔总统。	그는 그와 살아보는 사람들이 되었다. 그는 그 얼마나 그는 그 살아 살아 살아 먹는데 그 없는 것은 것이다.	CT 5000						
22-17 SM473613 Head Cover Plate KH-6024 1 22-47 ZW201150 Screw, truss head 3x6 (black) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			사용 기업 선생님 이 없는 것이 없다.			and the market are as	. A. Chen B. (7), 7 A. (8), Eur		KD-60/29	2
22-18x MS473624 Head Cover Shaft KH-6007 1 22-47x ZW201150 Screw, truss head 3x6 (black) 22-19x SZ473635 Rolling Sleeve KH-6006 1 22-48 SZ483737 Panel Washer B (black) KD-6029 2 22-20x ZW434160 Set Screw, hexagon socket 3x3(cup) 2			등 마루워 가게 되고 하다는 것 같아 하는데 하는데 되었다.			22-40	ZW 203084	그는 형 이렇게 되는 것이 살아서 살아 있는 것이 나가 살아서 하는 데 이 없어		
22-19x SZ473635 Rolling Sleeve KH-6006 1 22-48 SZ483737 Panel Washer B (black) KU-6029 2					10.00	22 47	711/2011.50			11.0
22-20x ZW434160 Set Screw, hexagon socket 3x3(cup) 2 3x8 2 22-21x ZW482657 Set Screw, hexagon socket 22-50x ZW259806 Washer (SPC)D4.5x12.8x1t 6 4x3(cup) 1 22-51x ZW487833 Tapping Screw #1 4x50(truss) 4 4x3(cup) 4x3(cup) 1 22-51x ZW487833 Tapping Screw #1 4x50(truss) 4 4x3(cup) 4x3(c			함께 어음하다 그 사람들이 하지만 그 이 사람이다. 아버지는 하다 그 이 사람들이 다		and Tool Life		The state of the facilities of the state of			
3x3(cup) 2 22-21x ZW482657 Set Screw, hexagon socket	100			KH-6006	L		To the British are the control of		KD-6 ⊘ 29	2
22-21x ZW482657 Set Screw, hexagon socket	22-20X	ZW434160				22-49	ZW482815			
Ax3(cup) 1 22-51x ZW487833 Tapping Screw #1 4x50(truss) 4		7011.00 c = 7	사람이 가입니다 가입하다 하나요? 그 나는 이 나는 이 나는 사람이 되는 사람들이 나를 하다		2					
22-22x SZ487877 Stopper Rubber KH-6033 2 22-52x SZ377190 LM Rubber Foot LM+04 4 4 22-23x SZ473646 Stopper Rubber KH-1020 2 22-53x ZW419646 Washer (SPC)D4.5x9.8x0.5t 4 4 4 4 4 4 4 4 4	22-21X	ZW482657	경기가 있는 사람들의 전환 가는 이번 그래면 되었다. 경험 중심하다 경험 때문에 다른 사람이 되었다.			1. 0. 0.0 1				100
22-23x SZ473646 Stopper Rubber KH-1020 2 22-53x ZW419646 Washer (SPC)D4.5x9.8x0.5t 4 4 4 4 4 4 4 4 4			가는 그렇게 들어 있는 사람들이 되었다. 그런 그 그들은 그는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그							
22-54x ZW434283 Tapping Screw #1 4x30(truss) 4		医乳腺性 电次接 计指定记录 计报行点	사용하다 경우 함께 함께 하는 것이 하는 것이 하는 것이 하는 사람들이 되었다. 그는 사람들이 없었다.			and the second of the second of the second	a later from the factors and a	요하는 그 모자가 들었다. 그 대학생이 하고, 하는 시간 모든 그는 그는 네 워크를 받은 것이다.	LM-404	4
AMP. PANEL BLOCK 22-56 SK425158 Pinch Roller Cap MS-40/20 1 22-24x BZ482253 Amp. Panel Block Comp. KH 1 22-57 MP424023 Pinch Roller (KD) KD-10/84 1 22-25 SP473804 Amp. Panel KH-6018 1 22-58 SK474063 Volume Knob B KH-0/11 3 22-26 SC473815 VU Meter Cover KH-6020 2 22-59x ZW487844 Set Screw, hexagon socket 22-27x ZW487866 Screw, round head 2.6x6 6 3x7(cup) 3 22-28 EZ397890 Rec. Button Escutcheon KD-5003 1 22-60 SK474074 Volume Knob A KH-0/12 3 22-29 SZ492941 COM Guide KH-6036 1 22-61x ZW433001 Set Screw, hexagon socket 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 1 CASE BLOCK 22-62x EZ436217 Collar, Jack MC-00-06 3 22-63x SZ473501 Ventilator Panel (back) KH-0/25 1 CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-20 1	22-23x	SZ473646	Stopper Rubber	KH-1020	2					
AMP. PANEL BLOCK 22-24x BZ482253 Amp. Panel Block Comp. KH 1 22-57 MP424023 Pinch Roller (KD) KD-10 84 1 22-25 SP473804 Amp. Panel KH-6018 1 22-58 SK474063 Volume Knob B KH-0 11 3 22-26 SC473815 VU Meter Cover KH-6020 2 22-59x ZW487844 Set Screw, hexagon socket 22-27x ZW487866 Screw, round head 2.6x6 6 3x7(cup) 3 22-28 EZ397890 Rec. Button Escutcheon KD-5003 1 22-60 SK474074 Volume Knob A KH-0 12 3 22-29 SZ492941 COM Guide KH-6036 1 22-61x ZW433001 Set Screw, hexagon socket 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 1 3x5(cup) 3 CASE BLOCK 22-6x EZ436217 Collar, Jack MC-10-06 3 22-6x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-20 1							트로로 본 경험원들은 그 모모였다.			4
22-24x BZ482253 Amp. Panel Block Comp. KH 1 22-57 MP424023 Pinch Roller (KD) KD-10 84 1 22-258 SK474063 Volume Knob B KH-0 11 3 3 3 3 3 3 3 3 3			+ T- CC#				A DESCRIPTION OF CLASSICS.			2
22-25 SP473804 Amp. Panel KH-6018 1 22-58 SK474063 Volume Knob B KH-6011 3 22-26 SC473815 VU Meter Cover KH-6020 2 22-59x ZW487844 Set Screw, hexagon socket 22-27x ZW487866 Screw, round head 2.6x6 6 3x7(cup) 3 22-28 EZ397890 Rec. Button Escutcheon KD-5003 1 22-60 SK474074 Volume Knob A KH-012 3 22-29 SZ492941 COM Guide KH-6036 1 22-61x ZW433001 Set Screw, hexagon socket 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 1 3x5(cup) 3 CASE BLOCK 22-62x EZ436217 Collar, Jack MC-0-06 3 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-14 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-196 1								그리바다 [15] 이 사람이 되었다. 그는 사람들은 사람들이 가득하는 것이 되었다. 그는 그는 것이 없는데	MS-10-20	1
22-26 SC473815 VU Meter Cover KH-6020 2 22-59x ZW487844 Set Screw, hexagon socket 22-27x ZW487866 Screw, round head 2.6x6 6 3x7(cup) 3 22-28 EZ397890 Rec. Button Escutcheon KD-5003 1 22-60 SK474074 Volume Knob A KH-012 3 22-29 SZ492941 COM Guide KH-6036 1 22-61x ZW433001 Set Screw, hexagon socket 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 1 3x5(cup) 3 CASE BLOCK 22-62x ZZ436217 Collar, Jack MC-10-06 3 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-14 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-196 1			(J. S.				라마의 나는 사람들이 승규가 되었다.		KD-10 84	1
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22-28 EZ397890 Rec. Button Escutcheon KD-5003 1 22-60 SK474074 Volume Knob A KH-0 12 3 22-29 SZ492941 COM Guide KH-6036 1 22-61x ZW433001 Set Screw, hexagon socket 3x5(cup) 3 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 1 3x5(cup) 3 22-62x EZ436217 Collar, Jack MC-10-06 3 22-63x SZ473501 Ventilator Panel (back) KH-0 25 1 CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-20 1	A CONTRACTOR OF STREET	The state of the s	사가 그 내내가 살아 하는 사가 들었다. 요리를 하게 되는 사가 뭐 하나 나를 되었다.	KH-6020	2007. In 1944	22-59x	ZW487844	Set Screw, hexagon socket		
22-29 SZ492941 COM Guide KH-6036 I 22-61x ZW433001 Set Screw, hexagon socket 22-30 SZ436151 Lamp Escutcheon (red) DF-6025 I 3x5(cup) 3 22-62x EZ436217 Collar, Jack MC-10-06 3 22-63x SZ473501 Ventilator Panel (back) KH-10-25 1 CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-20 1								3x7(cup)		3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			존하다는 아니다 아니는 이 사람이 그렇게 살아 있다. 아이 아름이 얼룩이었다며 나타는 사람은	KD-5003		22-60	SK474074	Volume Knob A	KH-@ 12	3
22-62x EZ436217 Collar, Jack MC 50 66 3 22-63x SZ473501 Ventilator Panel (back) KH-0 25 1 CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-20 1	22-29	SZ492941		KH-6036	1	22-61x	ZW433001	Set Screw, hexagon socket		
22-63x SZ473501 Ventilator Panel (back) KH-0.25 1 CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-14 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-196 1	22-30	SZ436151	Lamp Escutcheon (red)	DF -6025	1			3x5(cup)		3
CASE BLOCK 22-64x ZW324448 Tapping Screw #1 3x10(truss) 4 22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-1-1 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-1-26 1						-22-62x	EZ436217	Collar, Jack	MC-10-06	3
22-31 BC482242 Case Block Comp. KH 1 22-65x EF444183 Fuse 1.5A 250V 39-14 1 22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-126 1			호생기를 가는 하는데 하는데 나는데 얼마를 다 했다.			22-63x	SZ473501	Ventilator Panel (back)	KH-@ 25	1
22-32x SZ439694 Case Corner Angle KD-6031 2 22-66x EF277413 Fuse ST-2 2A 39-126 1			이 수입하는 살이 집에 들어 들어가 되었다면 하는 것이 하는데 하는데 되었다면 하는데 없다.			22-64x	ZW324448	Tapping Screw #1 3x10(truss)		4
(2) 전환,	22-31	BC482242	가게 하는 하는 그 것이라고 하게 되었다면 모든 그는 그 속에 하는 그 생각을 했다고 하다면 하는데	KH	1	22-65x	EF444183	Fuse 1.5A 250V	39-143	1
이른된 생각들이 얼굴어 있는 생물이 병과에 있을까요? 나를 가는 그는 것은 사람들이 하다면 아이들이 얼마를 살고 있으면 그런데 그는 이번 점에 있었어요? 그런데 그는 이번 그는 그는 이번 그는 그리다는 그는	22-32x	SZ439694	Case Corner Angle	KD-6031	2	22-66x	EF277413	Fuse ST-2 2A	39-1-26	1
	22-33x	ZW447963	Tapping Screw #1 3x10(truss)		8	22-67x	EF338387	Fuse ST-2 1.5A	39-1-16	1

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GX-370D SCHEMATIC DIAGRAM

